

Converting Colors

XYZ(83.7331, 91.0428,
101.9727)

Have a look what the booklet for
XYZ(83.7331, 91.0428, 101.9727)
contains.

XYZ(83.7894, 91.0679, 101.9686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.7894, 91.0679,
101.9686)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F8F8
RGB	232, 248, 248
RGB Percent	91%, 97%, 97%
CMY	0.0902, 0.0274, 0.0274
CMYK	0.06, 0.00, 0.00, 0.03
HSL	180°, 53%, 94%
HSV	180°, 6%, 97%
XYZ	83.7894, 91.0679, 101.9686
YIQ	243.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

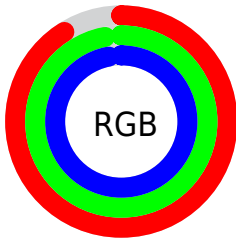
Format	Color
R _Y B	232, 240, 248
Decimal	15268088
CIE Lab	96.44, -5.22, -1.81
CIE LCh	96, 5.528, 199.165
Yxy	91.0679, 0.3027, 0.3290
Android (android.graphics.Color)	4293458168 (0xFFE8F8F8)
YUV	243.2160, 2.3585, -9.8364
Hunter-Lab	95.4295, -10.2743, 3.4479

Details

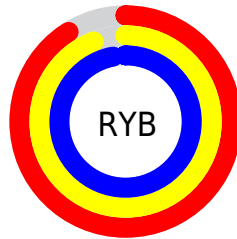
The XYZ color **83.7894, 91.0679, 101.9686** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1369, 83.4984, 88.1360**, and the grayscale version is **85.3528, 89.7978, 97.7898**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2686, 50.7352, 57.2234** is the 20% darker color. If you saturate the color by 10%, you get **76.3002, 87.2097, 101.6152**, and if you desaturate by 10%, it is **91.7536, 95.1760, 102.3480**.

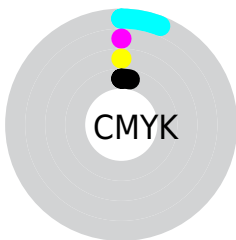
Distribution



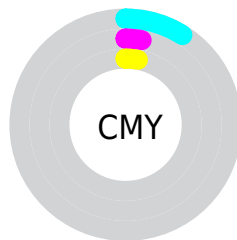
- Red (91%)
- Green (97%)
- Blue (97%)



- Red (91%)
- Yellow (94%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7894, 91.0679, 101.9686 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.7894, 91.0679, 101.9686 by changing the saturation by 10% instead.

83.7894, 91.0679,
101.9686

83.7894, 91.0679,
101.9686

496.1579,
531.4986, 587.7864

63.1607, 68.8667,
77.3196

137.6033,
148.8209, 165.9353

46.2304, 50.6032,
57.0021

171.5193,
185.1414, 206.0900

32.6330, 35.8929,
40.5975

210.5950,
226.9372, 252.2505

22.0034, 24.3515,
27.6874

255.1958,
274.5926, 304.8351

13.9760, 15.5946,
17.8532

305.6872,
328.4921, 364.2624

8.1856, 9.2377,
10.6763

362.4344,

4.2667, 4.8966,

389.0200, 430.9511

5.7382

425.8029,
456.5607, 505.3196

■ 1.8541, 2.1867,
2.6203

■ 0.5499, 0.7127,
0.9029

■ 83.7894, 91.0679,
101.9686

■ 83.7894, 91.0679,
101.9686

■ 76.3002, 87.2097,
101.6152

■ 91.7536, 95.1760,
102.3480

■ 69.8970, 83.9088,
101.3107

■ 91.7545, 95.1763,
102.3528

■ 64.5319, 81.1431,
101.0549

■ 91.7554, 95.1767,
102.3577

■ 60.1502, 78.8844,
100.8450

■ 91.7563, 95.1771,
102.3625

■ 56.6923, 77.1019,
100.6784

■ 91.7572, 95.1774,
102.3674

■ 54.0920, 75.7615,
100.5519

■ 91.7582, 95.1778,
102.3722

■ 52.2744, 74.8246,
100.4620

■ 91.7591, 95.1782,
102.3770

■ 51.1518, 74.2460,
100.4047

■ 91.7600, 95.1786,
102.3819

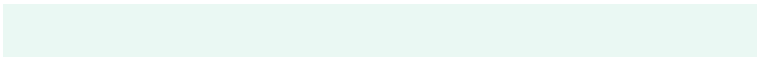
■ 50.6145, 73.9691,
100.3748

■ 91.7609, 95.1789,
102.3867

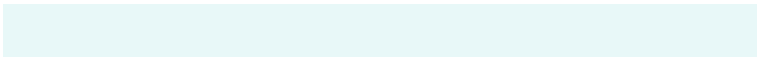
Harmonies

Analogous

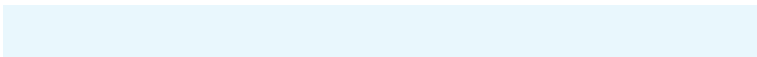
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6805, 91.0679, 97.5713



83.7894, 91.0679, 101.9686



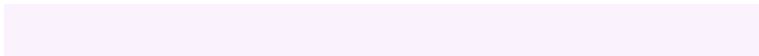
84.6348, 91.0679, 105.7154

Triad

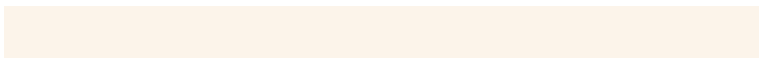
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7894, 91.0679, 101.9686



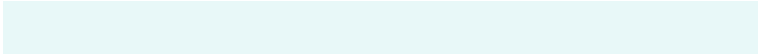
88.8178, 91.0679, 104.8086



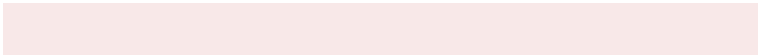
87.1153, 91.0679, 91.0566

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



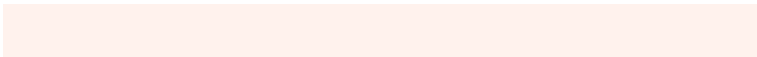
83.7894, 91.0679, 101.9686



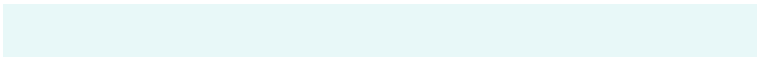
82.1369, 83.4984, 88.1360

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5087, 91.0679, 92.8765



83.7894, 91.0679, 101.9686



89.4993, 91.0679, 100.7607

Square

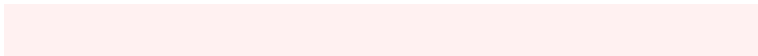
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7894, 91.0679, 101.9686



87.5334, 91.0679, 107.3884



89.3855, 91.0679, 96.3985



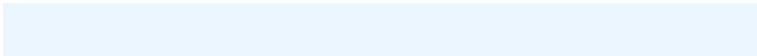
85.5885, 91.0679, 91.3583

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



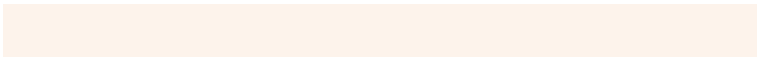
83.7894, 91.0679, 101.9686



85.5080, 91.0679, 107.2992



89.3855, 91.0679, 96.3985



87.6151, 91.0679, 91.4384

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.7920, 91.0718, 101.9706



93.1983, 99.0454, 108.8123



81.5009, 90.1653, 89.4535



19.9677, 21.2098, 23.2912



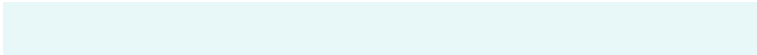
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

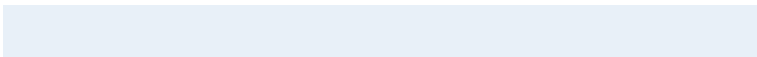
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7920, 91.0718, 101.9706



87.9382, 96.3338, 108.5631



81.4633, 86.4134, 101.1973



17.7657, 19.6086, 22.2328



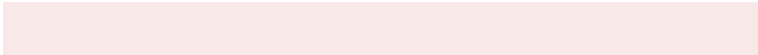
27.2810, 39.9254, 54.2165



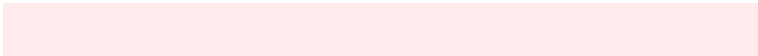
2.5267, 3.6978, 5.0217

Inverse Universe

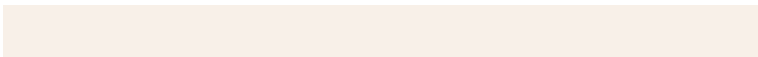
The Inverse Universe completely reimagines the original color for something new.



82.1369, 83.4984, 88.1360



85.7723, 86.4232, 90.4590



84.3619, 87.9492, 88.8750



17.2449, 17.2253, 17.8792



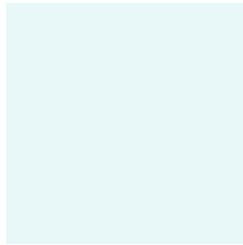
20.9122, 10.7806, 0.9800



1.9369, 0.9985, 0.0911

Previews

White Background



This preview shows how the XYZ color 83.7894, 91.0679, 101.9686 looks on a white background.

Color Contrast Check

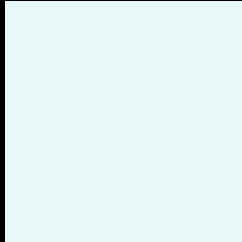
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 83.7894, 91.0679, 101.9686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

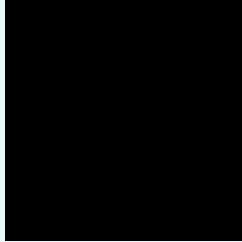
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

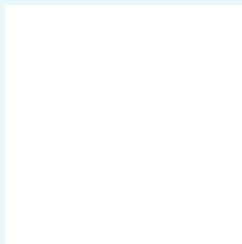
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7894, 91.0679, 101.9686

Background



This preview shows how black text looks on a background with the XYZ color 83.7894, 91.0679, 101.9686.



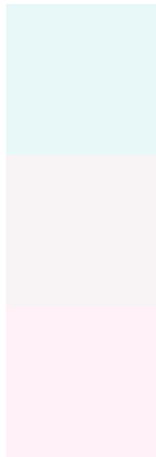
This preview shows how white text looks on a background with the XYZ color 83.7894, 91.0679,

101.9686.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.7894, 91.0679, 101.9686

Protanopia

87.2434, 90.6502, 99.2852

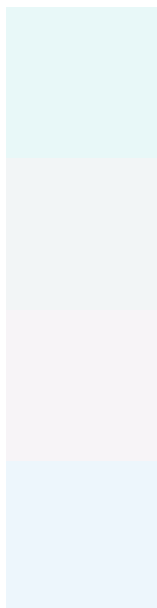
Deuteranopia

89.4838, 90.8860, 100.8221

Tritanopia

86.6376, 91.0501, 107.6159

Trichromacy



Original Color

83.7894, 91.0679, 101.9686

Protanomaly

85.9049, 90.8359, 100.1942

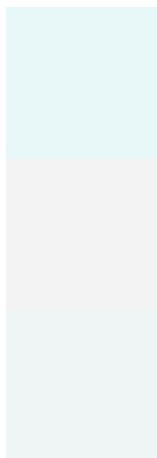
Deuteranomaly

87.4970, 91.1909, 100.9857

Tritanomaly

85.4515, 90.9443, 105.1457

Monochromacy



Original Color

83.7894, 91.0679, 101.9686

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7304, 90.2481, 99.3401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7894, 91.0679, 101.9686 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(232, 248, 248)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 248, 248) }
```

Border

The CSS property to change the border of an element to XYZ 83.7894, 91.0679, 101.9686 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 248, 248) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 248, 248) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 248, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 248, 248); box-shadow:4px 4px 4px 4px rgb(232, 248, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7894, 91.0679, 101.9686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 248, 248) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
248, 248) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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