

Converting Colors

XYZ(83.9773, 91.6455,
102.9746)

Have a look what the booklet for
XYZ(83.9773, 91.6455, 102.9746)
contains.

XYZ(83.9296, 91.5798, 102.8756)	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(83.9296, 91.5798,
102.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F9F9
RGB	231, 249, 249
RGB Percent	91%, 98%, 98%
CMY	0.0941, 0.0235, 0.0235
CMYK	0.07, 0.00, 0.00, 0.02
HSL	180°, 60%, 94%
HSV	180°, 7%, 98%
XYZ	83.9296, 91.5798, 102.8756
YIQ	243.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

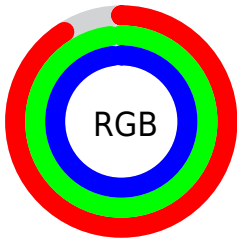
Format	Color
R _Y B	231, 240, 249
Decimal	15202809
CIE Lab	96.65, -5.86, -2.03
CIE LCh	97, 6.203, 199.111
Yxy	91.5798, 0.3015, 0.3290
Android (android.graphics.Color)	4293392889 (0xFFE7F9F9)
YUV	243.6180, 2.6533, -11.0660
Hunter-Lab	95.6973, -10.9202, 3.2508

Details

The XYZ color **83.9296, 91.5798, 102.8756** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0700, 83.0637, 87.3131**, and the grayscale version is **85.6717, 90.1333, 98.1552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3748, 51.1041, 57.8719** is the 20% darker color. If you saturate the color by 10%, you get **76.4575, 87.7304, 102.5236**, and if you desaturate by 10%, it is **92.2173, 95.8547, 103.2696**.

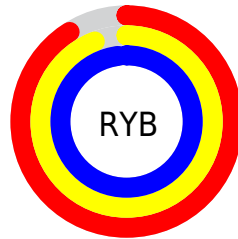
Distribution



Red (91%)

Green (98%)

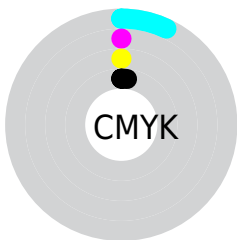
Blue (98%)



Red (91%)

Yellow (94%)

Blue (98%)

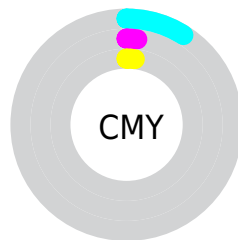


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (9%)

Magenta (2%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9296, 91.5798, 102.8756 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 83.9296, 91.5798, 102.8756 by changing the saturation by 10% instead.

83.9296, 91.5798,
102.8756

83.9296, 91.5798,
102.8756

496.6166,
533.1566, 590.6985

63.2768, 69.2917,
78.0740

137.7985,
149.5309, 167.1896

46.3247, 50.9493,
57.6180

171.7453,
185.9626, 207.5390

32.7078, 36.1682,
41.0889

210.8541,
227.8777, 253.9082

22.0609, 24.5642,
28.0684

255.4904,
275.6604, 306.7156

14.0185, 15.7526,
18.1377

306.0194,
329.6953, 366.3798

8.2153, 9.3493,
10.8784

362.8065,

4.2860, 4.9697,

390.3667, 433.3193

5.8720

426.2172,
458.0590, 507.9527

■ 1.8652, 2.2295,
2.6999

■ 0.5565, 0.7360,
0.9434

■ 83.9296, 91.5798,
102.8756

■ 83.9296, 91.5798,
102.8756

■ 76.4575, 87.7304,
102.5236

■ 92.2173, 95.8547,
103.2696

■ 70.0781, 84.4418,
102.2209

■ 92.2181, 95.8550,
103.2738

■ 64.7426, 81.6914,
101.9669

■ 92.2189, 95.8553,
103.2781

■ 60.3954, 79.4504,
101.7593

■ 92.2197, 95.8557,
103.2823

■ 56.9759, 77.6876,
101.5951

■ 92.2205, 95.8560,
103.2865

■ 54.4166, 76.3683,
101.4711

■ 92.2213, 95.8563,
103.2908

■ 52.6411, 75.4531,
101.3838

■ 92.2221, 95.8566,
103.2950

■ 51.5595, 74.8956,
101.3290

■ 92.2229, 95.8570,
103.2993

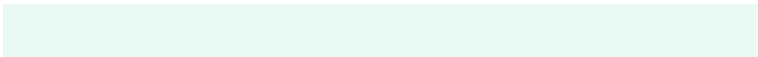
■ 51.0556, 74.6360,
101.3012

■ 92.2238, 95.8573,
103.3035

Harmonies

Analogous

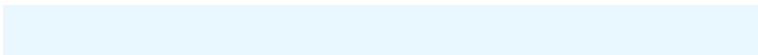
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8088, 91.5798, 97.9208



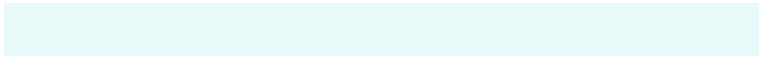
83.9296, 91.5798, 102.8756



84.8783, 91.5798, 107.1133

Triad

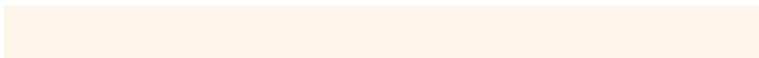
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9296, 91.5798, 102.8756



89.5902, 91.5798, 106.1006



87.6756, 91.5798, 90.6240

Complementary

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



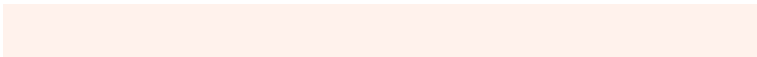
83.9296, 91.5798, 102.8756



82.0700, 83.0637, 87.3131

Split Complementary

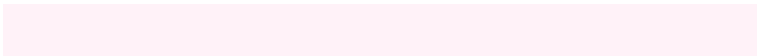
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2459, 91.5798, 92.6652



83.9296, 91.5798, 102.8756



90.3611, 91.5798, 101.5306

Square

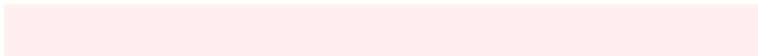
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9296, 91.5798, 102.8756



88.1406, 91.5798, 109.0175



90.2342, 91.5798, 96.6195



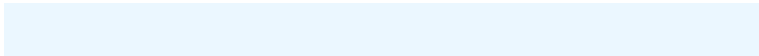
85.9562, 91.5798, 90.9570

Rectangle

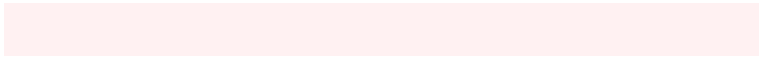
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



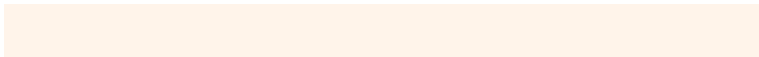
83.9296, 91.5798, 102.8756



85.8598, 91.5798, 108.9099



90.2342, 91.5798, 96.6195



88.2388, 91.5798, 91.0524

Sweetspot

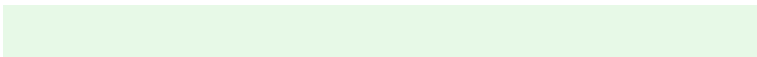
The Sweet Spot groups the original color and five complimentary colors.



83.9322, 91.5837, 102.8776



93.1983, 99.0455, 108.8125



81.3541, 90.5636, 88.7957



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000



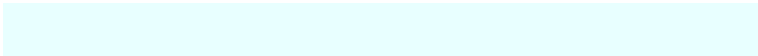
20.3446, 21.4041, 23.3091

Same Dimension

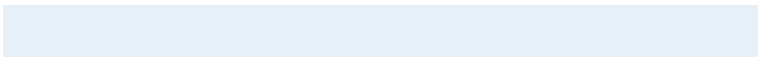
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9322, 91.5837, 102.8776



87.1042, 95.9039, 108.5241



81.3051, 86.3284, 102.0048



17.7657, 19.6086, 22.2329



27.2817, 39.9257, 54.2199



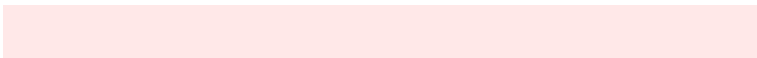
2.5268, 3.6978, 5.0220

Inverse Universe

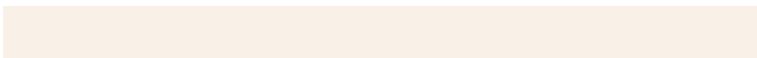
The Inverse Universe completely reimagines the original color for something new.



82.0700, 83.0637, 87.3131



84.6840, 84.8307, 88.2954



84.5659, 88.0563, 88.1424



17.2448, 17.2253, 17.8791



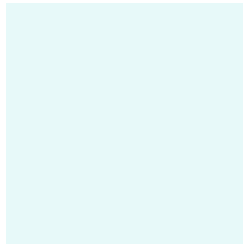
20.9121, 10.7806, 0.9798



1.9369, 0.9985, 0.0910

Previews

White Background



This preview shows how the XYZ color 83.9296, 91.5798, 102.8756 looks on a white background.

Color Contrast Check

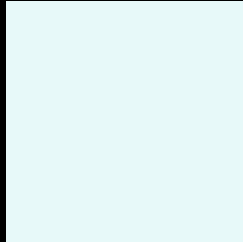
Large Text (above 18pt) WCAG AA × Fail

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 83.9296, 91.5798, 102.8756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

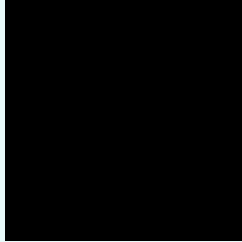
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

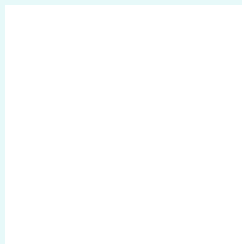
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9296, 91.5798, 102.8756

Background



This preview shows how black text looks on a background with the XYZ color 83.9296, 91.5798, 102.8756.

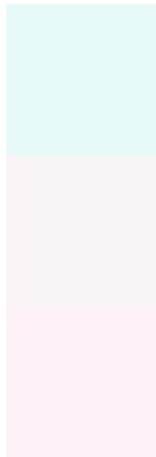


This preview shows how white text looks on a background with the XYZ color 83.9296, 91.5798,

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

83.9296, 91.5798, 102.8756

Protanopia

88.0522, 91.4949, 100.2082

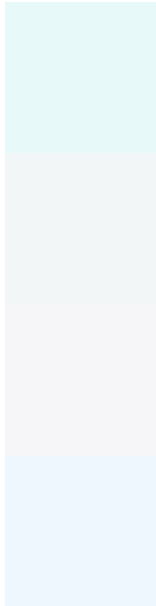
Deuteranopia

89.9354, 91.5416, 101.7361

Tritanopia

86.9409, 91.6568, 107.7170

Trichromacy



Original Color

83.9296, 91.5798, 102.8756

Protanomaly

86.3622, 91.5042, 101.1060

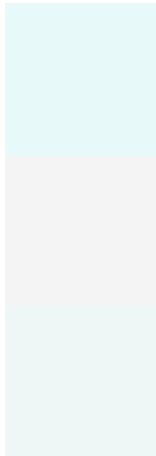
Deuteranomaly

87.6017, 91.6750, 101.8849

Tritanomaly

85.9154, 91.6179, 106.0843

Monochromacy



Original Color

83.9296, 91.5798, 102.8756

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1869, 90.9161, 100.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9296, 91.5798, 102.8756 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(231, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(231, 249, 249)  
}
```

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(231, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 249, 249) }
```

Border

The CSS property to change the border of an element to XYZ 83.9296, 91.5798, 102.8756 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(231, 249, 249) }
```


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

```
.border{ border-color:rgb(231, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(231, 249,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9296, 91.5798, 102.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 249, 249) }
```

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

```
.background{ background-color: rgb(231,  
249, 249) }
```

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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