

Converting Colors

XYZ(80.7566, 88.4862,
102.0317)

Have a look what the booklet for
XYZ(80.7566, 88.4862, 102.0317)
contains.

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Color

**XYZ(80.6395, 88.5361,
101.6460)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F6F8
RGB	224, 246, 248
RGB Percent	88%, 96%, 97%
CMY	0.1216, 0.0353, 0.0274
CMYK	0.10, 0.01, 0.00, 0.03
HSL	185°, 63%, 93%
HSV	185°, 10%, 97%
XYZ	80.6395, 88.5361, 101.6460
YIQ	239.6500, -13.7540, -4.0420

Conversions

Conversions Part 2

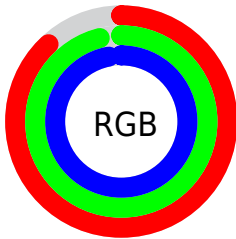
Format	Color
R_{YB}	224, 235, 248
Decimal	14743288
CIE _{Lab}	95.39, -6.77, -3.42
CIE _{LCh}	95, 7.588, 206.803
Yxy	88.5361, 0.2978, 0.3269
Android (android.graphics.Color)	4292933368 (0xFFE0F6F8)
YUV	239.6500, 4.1166, -13.7250
Hunter-Lab	94.0936, -11.6869, 1.8167

Details

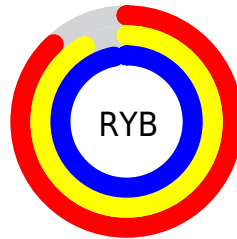
The XYZ color **80.6395, 88.5361, 101.6460** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3628, 79.7306, 81.7292**, and the grayscale version is **82.5295, 86.8274, 94.5551**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2901, 49.0677, 57.0058** is the 20% darker color. If you saturate the color by 10%, you get **72.8837, 83.6138, 101.1061**, and if you desaturate by 10%, it is **89.5284, 94.0577, 102.2447**.

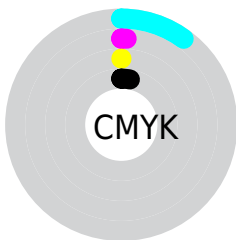
Distribution



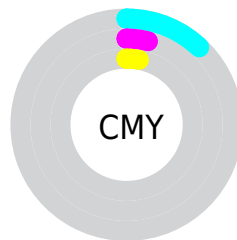
- Red (88%)
- Green (96%)
- Blue (97%)



- Red (88%)
- Yellow (92%)
- Blue (97%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (12%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6395, 88.5361, 101.6460 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 80.6395, 88.5361, 101.6460 by changing the saturation by 10% instead.

80.6395, 88.5361,
101.6460

80.6395, 88.5361,
101.6460

485.7892,
523.2573, 586.7488

60.5550, 66.7671,
77.0514

133.2103,
145.3033, 165.4889

44.1173, 48.8954,
56.7832

166.4273,
181.0703, 205.5742

30.9611, 34.5365,
40.4230

204.7525,
222.2721, 251.6602

20.7209, 23.3061,
27.5522

248.5513,
269.2932, 304.1654

13.0314, 14.8197,
17.7523

298.1890,
322.5178, 363.5083

7.5273, 8.6929,
10.6047

354.0309,

3.8433, 4.5414,

382.3304, 430.1075

5.6909

416.4426,
449.1155, 504.3815

■ 1.6138, 1.9808,
2.5923

■ 0.4014, 0.5963,
0.8885

■ 80.6395, 88.5361,
101.6460

■ 80.6395, 88.5361,
101.6460

■ 72.8837, 83.6138,
101.1061

■ 89.5284, 94.0577,
102.2447

■ 66.2050, 79.2547,
100.6167

■ 92.4100, 96.4903,
102.5623

■ 60.5540, 75.4358,
100.1774

■ 93.0550, 97.7804,
102.7773

■ 55.8748, 72.1279,
99.7855

■ 93.7071, 99.0845,
102.9947

■ 52.1056, 69.2995,
99.4383

■ 93.9435, 99.5574,
103.0735

■ 49.1777, 66.9150,
99.1323

■ 47.0129, 64.9339,
98.8640

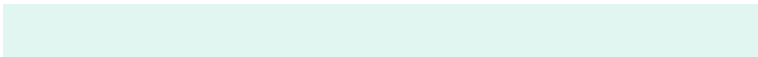
■ 45.5176, 63.3082,
98.6290

■ 44.5427, 61.9608,
98.4203

Harmonies

Analogous

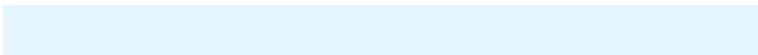
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2296, 88.5361, 95.7649



80.6395, 88.5361, 101.6460



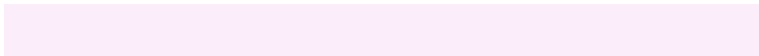
81.9851, 88.5361, 106.2828

Triad

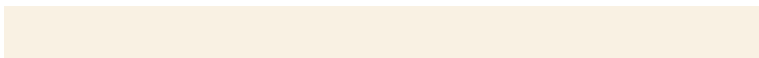
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6395, 88.5361, 101.6460



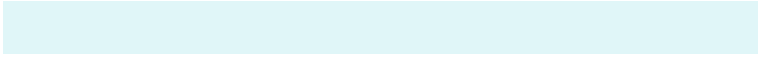
87.5342, 88.5361, 102.7938



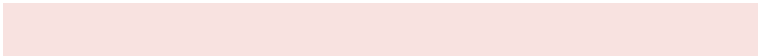
84.3736, 88.5361, 85.4354

Complementary

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



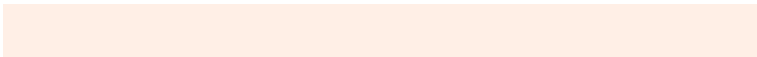
80.6395, 88.5361, 101.6460



79.3628, 79.7306, 81.7292

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.



86.3545, 88.5361, 87.1511



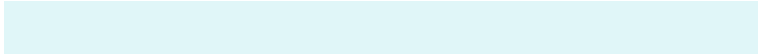
80.6395, 88.5361, 101.6460



88.1980, 88.5361, 97.0395

Square

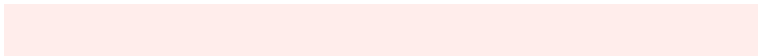
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6395, 88.5361, 101.6460



85.9630, 88.5361, 106.9643



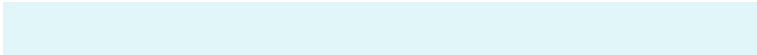
87.7628, 88.5361, 91.3391



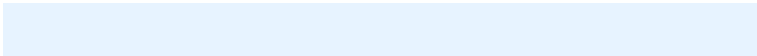
82.3645, 88.5361, 86.5566

Rectangle

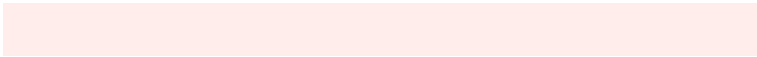
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



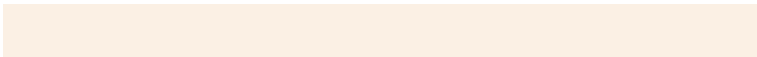
80.6395, 88.5361, 101.6460



83.2433, 88.5361, 107.9598



87.7628, 88.5361, 91.3391



85.0651, 88.5361, 85.6977

Sweetspot

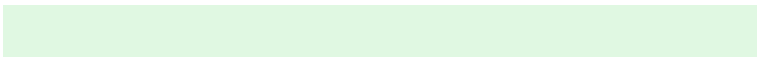
The Sweet Spot groups the original color and five complimentary colors.



80.6420, 88.5398, 101.6480



92.0886, 98.1725, 108.7033



77.9820, 88.4527, 84.6285



19.5454, 20.9105, 23.2559



0.0000, 0.0000, 0.0000



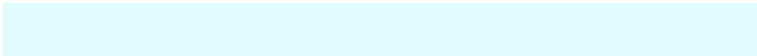
20.3446, 21.4041, 23.3091

Same Dimension

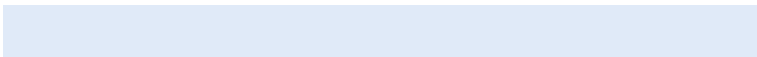
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6420, 88.5398, 101.6480



83.8679, 93.0379, 108.1455



77.2220, 81.6998, 100.5080



17.6351, 19.3470, 22.1902



24.0969, 33.5494, 53.1792



2.2672, 3.1780, 4.9371

Inverse Universe

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



82.0036, 79.9233, 98.2978



85.6461, 81.8437, 103.7569



82.6256, 86.2562, 82.8168



17.9271, 17.4982, 21.4718



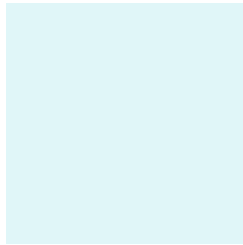
28.4550, 13.7977, 40.7001



2.6533, 1.2851, 3.8636

Previews

White Background



This preview shows how the XYZ color 80.6395, 88.5361, 101.6460 looks on a white background.

Color Contrast Check

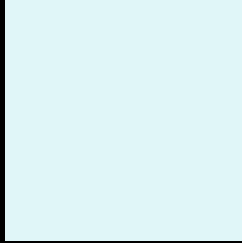
Large Text (above 18pt) WCAG AA × Fail

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 80.6395, 88.5361, 101.6460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

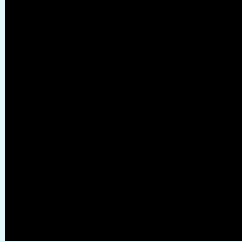
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6395, 88.5361, 101.6460

Background



This preview shows how black text looks on a background with the XYZ color 80.6395, 88.5361, 101.6460.



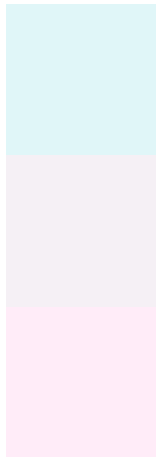
This preview shows how white text looks on a background with the XYZ color 80.6395, 88.5361,

101.6460.

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

80.6395, 88.5361, 101.6460

Protanopia

85.2977, 88.3252, 98.9390

Deuteranopia

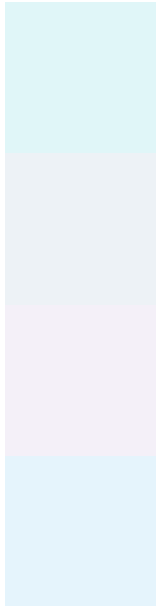
88.1787, 88.0282, 101.1506



Tritanopia

83.3793, 88.4770, 107.2909

Trichromacy



Original Color

80.6395, 88.5361, 101.6460

Protanomaly

83.3117, 88.1626, 99.8149

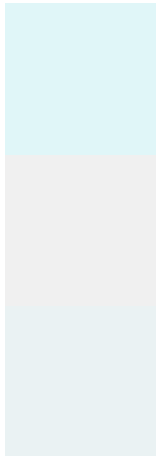
Deuteranomaly

85.4116, 88.3306, 101.3548

Tritanomaly

82.2345, 88.3877, 104.8218

Monochromacy



Original Color

80.6395, 88.5361, 101.6460

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8615, 87.4678, 97.3624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6395, 88.5361, 101.6460 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(224, 246, 248)` looks like.

```
.text, #text, p{  
    color:rgb(224, 246, 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(224, 246, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 246, 248) }
```

Border

The CSS property to change the border of an element to XYZ 80.6395, 88.5361, 101.6460 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(224, 246, 248) }
```


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

```
.border{ border-color:rgb(224, 246, 248) }
```

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

Here you see how a box with a 4 pixel rgb(224, 246, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 246, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 246, 248);  
box-shadow:4px 4px 4px 4px rgb(224, 246,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6395, 88.5361, 101.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 246, 248) }
```

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

```
.background{ background-color: rgb(224,  
246, 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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