

Converting Colors

XYZ(50.5628, 66.2990, 81.2942)

Have a look what the booklet for
XYZ(50.5628, 66.2990, 81.2942)
contains.

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Color

**XYZ(50.7895, 66.6191,
81.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	80E6E1
RGB	128, 230, 225
RGB Percent	50%, 90%, 88%
CMY	0.4980, 0.0980, 0.1176
CMYK	0.44, 0.00, 0.02, 0.10
HSL	177°, 67%, 70%
HSV	177°, 44%, 90%
XYZ	50.7895, 66.6191, 81.4160
YIQ	198.9320, -59.1870, -23.1790

Conversions

Conversions Part 2

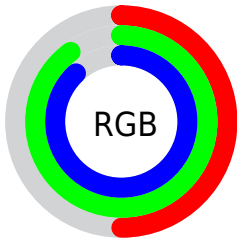
Format	Color
RYB	128, 180, 230
Decimal	8447713
CIELab	85.31, -30.95, -6.85
CIELCh	85, 31.696, 192.490
Yxy	66.6191, 0.2554, 0.3351
Android (android.graphics.Color)	4286637793 (0xFF80E6E1)
YUV	198.9320, 12.8515, -62.2074
Hunter-Lab	81.6205, -31.7618, -2.0071

Details

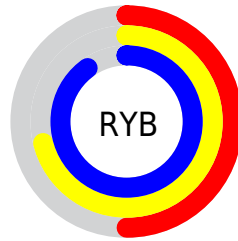
The XYZ color **50.7895, 66.6191, 81.4160** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.5882, 33.9567, 26.3969**, and the grayscale version is **54.1960, 57.0184, 62.0931**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **24.8460, 34.4396, 43.3682** is the 20% darker color. If you saturate the color by 10%, you get **47.5615, 64.9743, 80.4656**, and if you desaturate by 10%, it is **54.8065, 68.6737, 82.4115**.

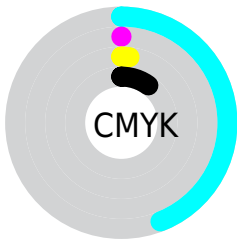
Distribution



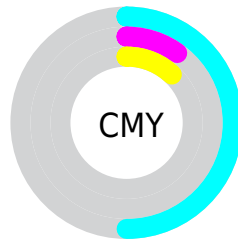
- Red (50%)
- Green (90%)
- Blue (88%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7895, 66.6191, 81.4160 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 50.7895, 66.6191, 81.4160 by changing the saturation by 10% instead.

50.7895, 66.6191,
81.4160

50.7895, 66.6191,
81.4160

380.1465,
448.5877, 519.5242

36.2615, 48.7751,
60.3513

90.5284, 114.3745,
137.1841

24.8072, 34.4411,
43.2747

116.4700,
145.0546, 172.7245

16.0615, 23.2327,
29.7677

146.9468,
180.7824, 213.9272

9.6588, 14.7654,
19.4118

182.3241,
221.9420, 261.2107

5.2338, 8.6549,
11.7884

222.9674,
268.9180, 314.9937

2.4213, 4.5168,
6.4790

269.2420,

0.8557, 1.9666,

322.0947, 375.6945

3.0650

321.5133,
381.8564, 443.7319

■ 0.0000, 0.5880,
1.1279

■ 0.0000, 0.0000,
0.0000

■ 50.7895, 66.6191,
81.4160

■ 50.7895, 66.6191,
81.4160

■ 47.5615, 64.9743,
80.4656

■ 54.8065, 68.6737,
82.4115

■ 45.0629, 63.7038,
79.5533


■ 59.6553, 71.1554,
83.4498


■ 43.2353, 62.7792,
78.6776


■ 65.3825, 74.0898,
84.5345


■ 42.0088, 62.1643,
77.8353


■ 72.0296, 77.4983,
85.6676


 41.2978, 61.8150,
77.0224


 79.6354, 81.4009,
86.8510

 41.0478, 61.6958,
76.5723

 84.0707, 83.6690,
87.8913

 84.2313, 83.7332,
88.7369

 84.3929, 83.7979,
89.5879

 84.5556, 83.8629,
90.4444

Harmonies

Analogous

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



51.0598, 66.6191, 61.2931



50.7895, 66.6191, 81.4160



53.6869, 66.6191, 102.6112

Triad

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



50.7895, 66.6191, 81.4160



73.0965, 66.6191, 105.7242



67.5591, 66.6191, 41.0204

Complementary

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



50.7895, 66.6191, 81.4160



44.5882, 33.9567, 26.3969

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.



74.0403, 66.6191, 49.0007



50.7895, 66.6191, 81.4160



77.3994, 66.6191, 85.0779

Square

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



50.7895, 66.6191, 81.4160



66.3483, 66.6191, 118.3225



77.7573, 66.6191, 64.3280



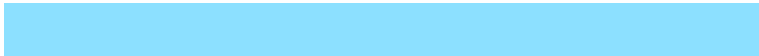
60.3842, 66.6191, 40.4112

Rectangle

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



50.7895, 66.6191, 81.4160



57.1620, 66.6191, 113.4976



77.7573, 66.6191, 64.3280



69.9040, 66.6191, 42.8489

Sweetspot

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



50.7915, 66.6217, 81.4176



83.6276, 94.1416, 107.0049



41.8838, 63.1495, 30.4051



17.5278, 19.9595, 22.8368



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.



50.7915, 66.6217, 81.4176



60.4860, 82.3028, 101.8077



40.3483, 44.6271, 81.3532



14.7753, 16.3236, 18.3475



23.2517, 34.9328, 43.4214



1.7277, 2.5852, 3.2585

Inverse Universe

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



44.5882, 33.9567, 26.3969



51.7353, 36.1756, 24.1567



51.6485, 48.6173, 27.0854



14.4055, 14.3794, 15.0698



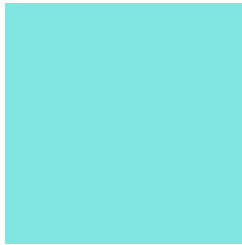
18.5230, 9.5434, 1.1172



1.3789, 0.7093, 0.1361

Previews

White Background



This preview shows how the XYZ color 50.7895, 66.6191, 81.4160 looks on a white background.

Color Contrast Check

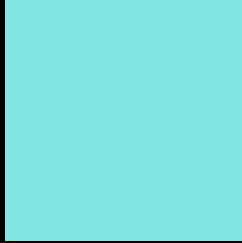
Large Text (above 18pt) WCAG AA × Fail

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 50.7895, 66.6191, 81.4160 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 50.7895, 66.6191, 81.4160

Background



This preview shows how black text looks on a background with the XYZ color 50.7895, 66.6191, 81.4160.



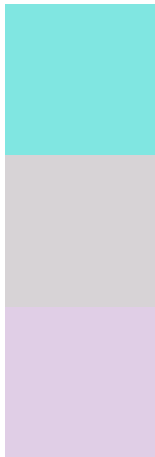
This preview shows how white text looks on a background with the XYZ color 50.7895, 66.6191,

81.4160.

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

50.7895, 66.6191, 81.4160

Protanopia

63.4562, 65.8906, 72.9920

Deuteranopia

67.0947, 65.7031, 84.0086



Tritanopia

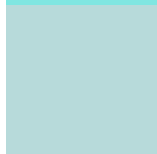
53.7820, 66.5991, 96.4065

Trichromacy



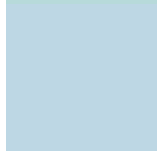
Original Color

50.7895, 66.6191, 81.4160



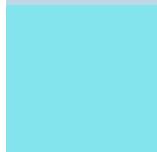
Protanomaly

57.2547, 65.2720, 75.9108



Deuteranomaly

59.2903, 65.0211, 82.8242



Tritanomaly

52.6917, 66.5654, 90.9602

Monochromacy



Original Color

50.7895, 66.6191, 81.4160



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.6653, 59.5315, 68.4422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7895, 66.6191, 81.4160 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(128, 230, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 225)  
}
```

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(128, 230, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 225) }
```

Border

The CSS property to change the border of an element to XYZ 50.7895, 66.6191, 81.4160 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(128, 230, 225) }
```


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

```
.border{ border-color:rgb(128, 230, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 225);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7895, 66.6191, 81.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 225) }
```

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

```
.background{ background-color: rgb(128,  
230, 225) }
```

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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