

Converting Colors

XYZ(51.2403, 64.6284, 78.0074)

Have a look what the booklet for
XYZ(51.2403, 64.6284, 78.0074)
contains.

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Color

**XYZ(51.2084, 64.4611,
78.1499)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 90E0DD |
| RGB | 144, 224, 221 |
| RGB Percent | 56%, 88%, 87% |
| CMY | 0.4353, 0.1216, 0.1333 |
| CMYK | 0.36, 0.00, 0.01, 0.12 |
| HSL | 178°, 56%, 72% |
| HSV | 178°, 36%, 88% |
| XYZ | 51.2084, 64.4611, 78.1499 |
| YIQ | 199.7380, -46.7170, -17.8930 |

Conversions

Conversions Part 2

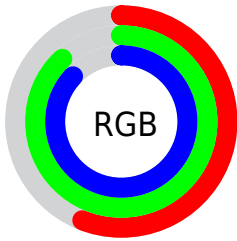
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 144, 185, 224 |
| Decimal | 9494749 |
| CIELab | 84.21, -25.07, -6.30 |
| CIELCh | 84, 25.846, 194.110 |
| Yxy | 64.4611, 0.2642, 0.3326 |
| Android (android.graphics.Color) | 4287684829 (0xFF90E0DD) |
| YUV | 199.7380, 10.4822, -48.8822 |
| Hunter-Lab | 80.2877, -26.6541, -1.5100 |

Details

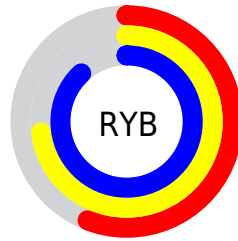
The XYZ color **51.2084, 64.4611, 78.1499** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.9824, 37.9022, 32.4985**, and the grayscale version is **54.6983, 57.5469, 62.6685**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **25.1907, 33.2530, 41.1672** is the 20% darker color. If you saturate the color by 10%, you get **47.5663, 62.5980, 77.3975**, and if you desaturate by 10%, it is **55.6311, 66.7297, 78.9445**.

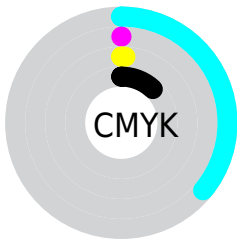
Distribution



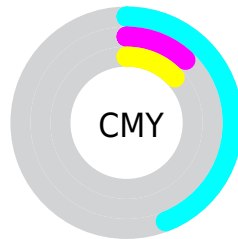
- Red (56%)
- Green (88%)
- Blue (87%)



- Red (56%)
- Yellow (73%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2084, 64.4611, 78.1499 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 51.2084, 64.4611, 78.1499 by changing the saturation by 10% instead.


 51.2084, 64.4611,
78.1499


 51.2084, 64.4611,
78.1499


381.7473,
440.8529, 508.2172

 36.5962, 47.0242,
57.6799


 91.1439, 111.2747,
132.5492

 25.0672, 33.0548,
41.1384


 117.1979,
141.4203, 167.3156

 16.2562, 22.1684,
28.1067


147.7966,
176.5709, 207.6846

 9.7976, 13.9807,
18.1664

183.3053,
217.1109, 254.0748

 5.3262, 8.1073,
10.8988

224.0893,
263.4247, 306.9045

 2.4766, 4.1637,
5.8855

270.5141,

 0.8835, 1.7655,

315.8967, 366.5925

2.7079

322.9450,
374.9113, 433.5572

■ 0.0000, 0.4655,
0.9474

■ 0.0000, 0.0000,
0.0000

■ 51.2084, 64.4611,
78.1499

■ 51.2084, 64.4611,
78.1499

■ 47.5663, 62.5980,
77.3975

■ 55.6311, 66.7297,
78.9445

■ 44.6529, 61.1090,
76.6808

■ 60.8710, 69.4179,
79.7789

■ 42.4191, 59.9702,
75.9988

■ 66.9694, 72.5487,
80.6565

■ 40.8074, 59.1520,
75.3488

■ 73.9629, 76.1408,
81.5788

■ 39.7506, 58.6199,
74.7277

■ 81.5154, 80.0210,
82.5303

■ 39.1661, 58.3311,
74.1316

■ 81.6305, 80.0670,
83.1366

■ 38.9994, 58.2506,
73.8809

■ 81.7462, 80.1133,
83.7460

■ 81.8625, 80.1598,
84.3583

■ 81.9794, 80.2066,
84.9736

Harmonies

Analogous

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



51.2869, 64.4611, 61.9113



51.2084, 64.4611, 78.1499



53.7056, 64.4611, 94.4746

Triad

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



51.2084, 64.4611, 78.1499



69.2473, 64.4611, 95.3206



64.3293, 64.4611, 44.0409

Complementary

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



51.2084, 64.4611, 78.1499



45.9824, 37.9022, 32.4985

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.



69.5097, 64.4611, 50.4657



51.2084, 64.4611, 78.1499



72.4675, 64.4611, 79.1696

Square

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



51.2084, 64.4611, 78.1499



63.9890, 64.4611, 105.3834



72.5664, 64.4611, 62.7846



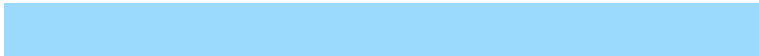
58.6259, 64.4611, 43.8556

Rectangle

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



51.2084, 64.4611, 78.1499



56.5902, 64.4611, 102.5107



72.5664, 64.4611, 62.7846



66.1975, 64.4611, 45.4916

Sweetspot

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



51.2103, 64.4637, 78.1514



85.3037, 94.9951, 107.5616



43.9044, 61.6235, 35.9674



18.0230, 20.2120, 22.9884



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.



51.2103, 64.4637, 78.1514



64.8932, 84.5294, 104.0671



42.9413, 47.2797, 77.3866



14.0932, 15.5630, 17.5259



22.7095, 33.9087, 43.0549



1.5811, 2.3532, 3.0214

Inverse Universe

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



45.9824, 37.9022, 32.4985



56.8810, 43.8028, 34.0858



52.0980, 50.5057, 33.3896



13.7280, 13.7088, 14.3377



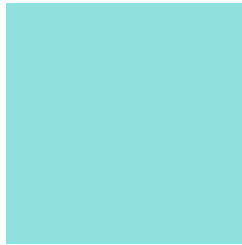
17.9294, 9.2388, 1.0279



1.2502, 0.6434, 0.1105

Previews

White Background



This preview shows how the XYZ color 51.2084, 64.4611, 78.1499 looks on a white background.

Color Contrast Check

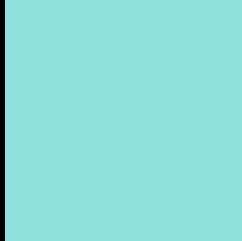
Large Text (above 18pt) WCAG AA × Fail

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 51.2084, 64.4611, 78.1499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

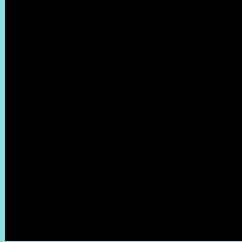
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2084, 64.4611, 78.1499

Background



This preview shows how black text looks on a background with the XYZ color 51.2084, 64.4611, 78.1499.

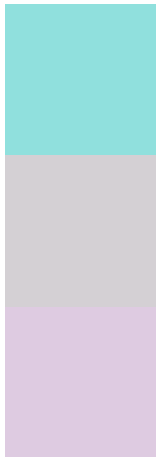


This preview shows how white text looks on a background with the XYZ color 51.2084, 64.4611,

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

51.2084, 64.4611, 78.1499

Protanopia

61.5909, 63.8623, 71.3678

Deuteranopia

65.0707, 63.6777, 80.0956



Tritanopia

53.8309, 64.3345, 91.2420

Trichromacy



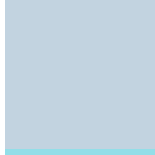
Original Color

51.2084, 64.4611, 78.1499



Protanomaly

56.8058, 63.5642, 73.5651



Deuteranomaly

58.9969, 63.4397, 79.6566



Tritanomaly

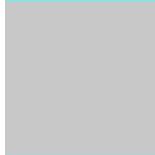
52.7194, 64.2718, 85.9710

Monochromacy



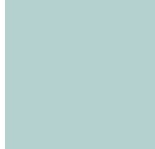
Original Color

51.2084, 64.4611, 78.1499



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

53.0080, 59.8583, 68.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2084, 64.4611, 78.1499 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(144, 224, 221)` looks like.

```
.text, #text, p{  
    color:rgb(144, 224, 221)  
}
```

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(144, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 224, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.2084, 64.4611, 78.1499 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(144, 224, 221) }
```


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

```
.border{ border-color:rgb(144, 224, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 224, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(144, 224,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2084, 64.4611, 78.1499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 224, 221) }
```

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

```
.background{ background-color: rgb(144,  
224, 221) }
```

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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