

Converting Colors

XYZ(50.6603, 64.0017, 82.1572)

Have a look what the booklet for
XYZ(50.6603, 64.0017, 82.1572)
contains.

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Color

**XYZ(50.8373, 64.1757,
82.3808)**

Conversions

Conversions Part 1

Format	Color
Hex	89E0E3
RGB	137, 224, 227
RGB Percent	54%, 88%, 89%
CMY	0.4627, 0.1216, 0.1098
CMYK	0.40, 0.01, 0.00, 0.11
HSL	182°, 62%, 71%
HSV	182°, 40%, 89%
XYZ	50.8373, 64.1757, 82.3808
YIQ	198.3290, -52.8150, -17.5110

Conversions

Conversions Part 2

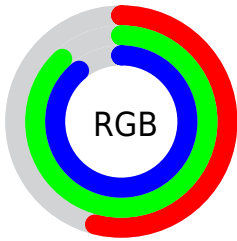
Format	Color
RYB	137, 181, 227
Decimal	9036003
CIELab	84.06, -25.41, -9.73
CIElCh	84, 27.212, 200.953
Yxy	64.1757, 0.2575, 0.3251
Android (android.graphics.Color)	4287226083 (0xFF89E0E3)
YUV	198.3290, 14.1348, -53.7855
Hunter-Lab	80.1097, -26.9167, -4.8940

Details

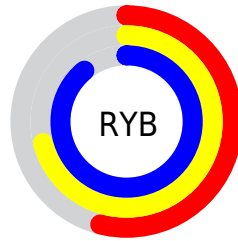
The XYZ color **50.8373, 64.1757, 82.3808** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.5730, 36.8941, 28.3877**, and the grayscale version is **53.8179, 56.6206, 61.6598**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **24.9426, 33.0600, 44.0963** is the 20% darker color. If you saturate the color by 10%, you get **47.2983, 62.0518, 82.1585**, and if you desaturate by 10%, it is **55.1638, 66.7100, 82.6430**.

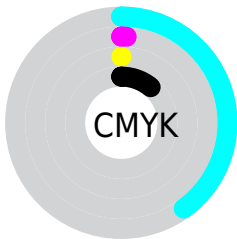
Distribution



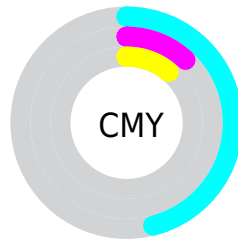
- Red (54%)
- Green (88%)
- Blue (89%)



- Red (54%)
- Yellow (71%)
- Blue (89%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (46%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8373, 64.1757, 82.3808 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 50.8373, 64.1757, 82.3808 by changing the saturation by 10% instead.

50.8373, 64.1757,
82.3808

50.8373, 64.1757,
82.3808

380.3294,
439.8238, 522.8374

36.2997, 46.7930,
61.1418

90.5987, 110.8639,
138.5494

24.8369, 32.8720,
43.9083

116.5531,
140.9383, 174.3160

16.0837, 22.0284,
30.2618

147.0438,
176.0119, 215.7623

9.6746, 13.8778,
19.7836

182.4362,
216.4693, 263.3068

5.2443, 8.0357,
12.0554

223.0956,
262.6948, 317.3680

2.4276, 4.1178,
6.6584

269.3873,

0.8589, 1.7397,

315.0727, 378.3645

3.1742

321.6768,
373.9876, 446.7148

■ 0.0000, 0.4492,
1.1843

■ 0.0000, 0.0000,
0.0000

■ 50.8373, 64.1757,
82.3808

■ 50.8373, 64.1757,
82.3808

■ 47.2983, 62.0518,
82.1585

■ 55.1638, 66.7100,
82.6430

■ 44.4915, 60.3052,
81.9693

■ 60.3173, 69.6704,
82.9428

■ 42.3638, 58.9100,
81.8121

■ 66.3414, 73.0810,
83.2836

■ 40.8523, 57.8337,
81.6841

■ 73.2751, 76.9618,
83.6673

■ 39.8822, 57.0380,
81.5816

■ 81.1549, 81.3318,
84.0954

■ 39.3290, 56.4585,
81.4989

■ 82.9977, 82.5908,
84.2413

■ 39.3119, 56.4393,
81.4961

■ 83.2068, 83.0091,
84.3110

■ 83.4168, 83.4291,
84.3811

■ 83.6278, 83.8510,
84.4514

Harmonies

Analogous

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



50.2903, 64.1757, 64.8046



50.8373, 64.1757, 82.3808



54.0087, 64.1757, 98.8319

Triad

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



50.8373, 64.1757, 82.3808



70.4107, 64.1757, 92.8461



62.8308, 64.1757, 42.0435

Complementary

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



50.8373, 64.1757, 82.3808



45.5730, 36.8941, 28.3877

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.



68.5636, 64.1757, 47.2131



50.8373, 64.1757, 82.3808



73.1248, 64.1757, 75.2062

Square

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



50.8373, 64.1757, 82.3808



65.2198, 64.1757, 105.5296



72.4276, 64.1757, 58.7061



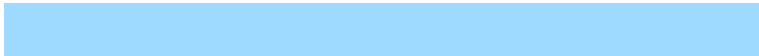
56.9607, 64.1757, 43.3214

Rectangle

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



50.8373, 64.1757, 82.3808



57.3061, 64.1757, 106.0255



72.4276, 64.1757, 58.7061



64.8433, 64.1757, 43.0485

Sweetspot

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



50.8392, 64.1782, 82.3823



84.3503, 94.0027, 108.3063



42.4107, 62.1073, 33.9891



17.8275, 19.9923, 23.1692



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.



50.8392, 64.1782, 82.3823



62.1330, 81.1203, 106.9908



40.6055, 43.7107, 78.9710



14.7641, 16.2497, 18.5027



22.9445, 32.9510, 47.5341



1.7085, 2.4609, 3.5169

Inverse Universe

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



54.0803, 39.6056, 75.3181



66.9733, 44.8859, 96.3372



53.2320, 52.2121, 30.9407



14.9733, 14.6065, 18.0597



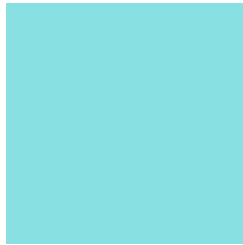
25.9748, 12.5241, 40.3579



1.9260, 0.9281, 3.0168

Previews

White Background



This preview shows how the XYZ color 50.8373, 64.1757, 82.3808 looks on a white background.

Color Contrast Check

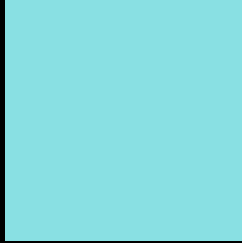
Large Text (above 18pt) WCAG AA × Fail

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 50.8373, 64.1757, 82.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

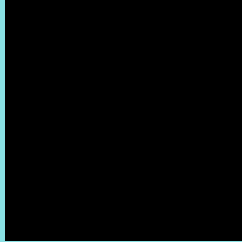
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8373, 64.1757, 82.3808

Background



This preview shows how black text looks on a background with the XYZ color 50.8373, 64.1757, 82.3808.



This preview shows how white text looks on a background with the XYZ color 50.8373, 64.1757,

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

50.8373, 64.1757, 82.3808

Protanopia

61.4156, 63.3370, 74.6340

Deuteranopia

64.6932, 63.3868, 84.4265



Tritanopia

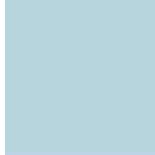
52.8340, 64.1965, 92.0446

Trichromacy



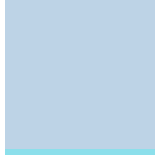
Original Color

50.8373, 64.1757, 82.3808



Protanomaly

56.3738, 62.8762, 77.5717



Deuteranomaly

58.5635, 63.1205, 83.9598



Tritanomaly

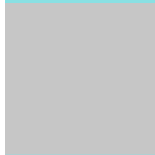
52.1983, 64.3490, 88.2667

Monochromacy



Original Color

50.8373, 64.1757, 82.3808



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.7259, 58.4592, 68.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8373, 64.1757, 82.3808 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(137, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(137, 224, 227)  
}
```

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(137, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 224, 227) }
```

Border

The CSS property to change the border of an element to XYZ 50.8373, 64.1757, 82.3808 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(137, 224, 227) }
```


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

```
.border{ border-color:rgb(137, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(137, 224,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8373, 64.1757, 82.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 224, 227) }
```

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

```
.background{ background-color: rgb(137,  
224, 227) }
```

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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