

Converting Colors

XYZ(50.7183, 64.0280, 86.3373)

Have a look what the booklet for
XYZ(50.7183, 64.0280, 86.3373)
contains.

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Color

**XYZ(50.7369, 64.0430,
86.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	84E0E8
RGB	132, 224, 232
RGB Percent	52%, 88%, 91%
CMY	0.4823, 0.1216, 0.0902
CMYK	0.43, 0.03, 0.00, 0.09
HSL	185°, 68%, 71%
HSV	185°, 43%, 91%
XYZ	50.7369, 64.0430, 86.0314
YIQ	197.4040, -57.4000, -17.0160

Conversions

Conversions Part 2

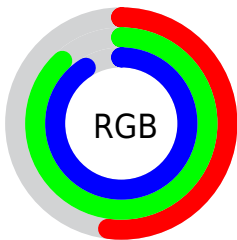
Format	Color
RYB	132, 180, 232
Decimal	8708328
CIELab	83.99, -25.38, -12.50
CIELCh	84, 28.295, 206.224
Yxy	64.0430, 0.2527, 0.3189
Android (android.graphics.Color)	4286898408 (0xFF84E0E8)
YUV	197.4040, 17.0558, -57.3593
Hunter-Lab	80.0269, -26.8783, -7.7198

Details

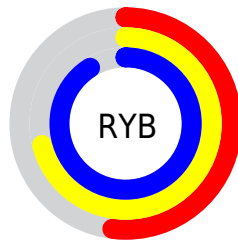
The XYZ color **50.7369, 64.0430, 86.0314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.8229, 37.5791, 26.6172**, and the grayscale version is **53.2417, 56.0144, 60.9997**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.8485, 32.9664, 46.1278** is the 20% darker color. If you saturate the color by 10%, you get **47.0090, 61.3864, 85.7162**, and if you desaturate by 10%, it is **55.2808, 67.1313, 86.3891**.

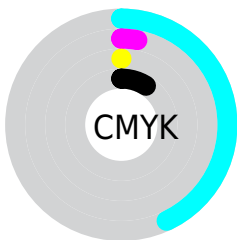
Distribution



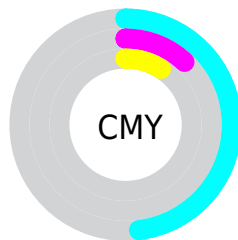
- Red (52%)
- Green (88%)
- Blue (91%)



- Red (52%)
- Yellow (71%)
- Blue (91%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (48%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7369, 64.0430, 86.0314 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 50.7369, 64.0430, 86.0314 by changing the saturation by 10% instead.

50.7369, 64.0430,
86.0314

50.7369, 64.0430,
86.0314

379.9452,
439.3449, 535.2681

36.2195, 46.6855,
64.1389

90.4511, 110.6729,
143.7002

24.7746, 32.7871,
46.3163

116.3785,
140.7140, 180.3136

16.0371, 21.9634,
32.1450

146.8399,
175.7518, 222.6711

9.6414, 13.8300,
21.2065

182.2008,
216.1707, 271.1912

5.2223, 8.0025,
13.0824

222.8264,
262.3551, 326.2923

2.4144, 4.0966,
7.3539

269.0821,

0.8523, 1.7277,

314.6893, 388.3932

3.6026

321.3333,
373.5578, 457.9123

■ 0.0000, 0.4415,
1.4100

■ 0.0000, 0.0000,
0.1495

■ 50.7369, 64.0430,
86.0314

■ 50.7369, 64.0430,
86.0314

■ 47.0090, 61.3864,
85.7162

■ 55.2808, 67.1313,
86.3891

■ 44.0372, 59.1261,
85.4366


■ 60.6839, 70.6693,
86.7873


■ 41.7626, 57.2333,
85.1911


■ 66.9936, 74.6827,
87.2294


■ 40.1152, 55.6718,
84.9765


■ 74.2517, 79.1932,
87.7174


 39.0101, 54.3978,
84.7889


 82.4978, 84.2212,
88.2533

 38.4722, 53.6393,
84.6708

 85.5533, 86.5815,
88.5479

 86.0878, 87.6505,
88.7260

 86.6278, 88.7305,
88.9060

 87.1734, 89.8217,
89.0879

Harmonies

Analogous

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



49.6745, 64.0430, 67.4952



50.7369, 64.0430, 86.0314



54.4460, 64.0430, 102.3433

Triad

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



50.7369, 64.0430, 86.0314



71.3902, 64.0430, 90.6155



61.6639, 64.0430, 40.7756

Complementary

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



50.7369, 64.0430, 86.0314



46.8229, 37.5791, 26.6172

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.



67.7824, 64.0430, 44.9081



50.7369, 64.0430, 86.0314



73.6348, 64.0430, 72.0176

Square

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



50.7369, 64.0430, 86.0314



66.3239, 64.0430, 105.2913



72.2718, 64.0430, 55.6333



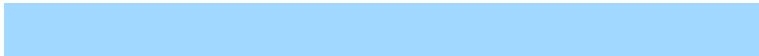
55.7254, 64.0430, 43.2429

Rectangle

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



50.7369, 64.0430, 86.0314



58.0605, 64.0430, 108.6785



72.2718, 64.0430, 55.6333



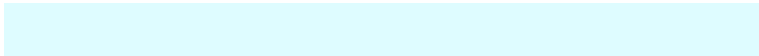
63.7707, 64.0430, 41.4174

Sweetspot

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



50.7388, 64.0455, 86.0329



83.0483, 92.5659, 108.0976



43.0097, 64.4745, 34.4783



17.3829, 19.5654, 23.1103



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.



50.7388, 64.0455, 86.0329



58.6023, 76.3258, 106.2514



39.4778, 41.5234, 82.2792



14.7037, 16.1287, 18.4825



21.4016, 29.8654, 47.0198



1.6109, 2.2657, 3.4844

Inverse Universe

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



54.9862, 39.0419, 75.1614



64.6379, 41.8331, 90.5701



55.5710, 55.0754, 29.5332



14.9428, 14.5943, 17.8990



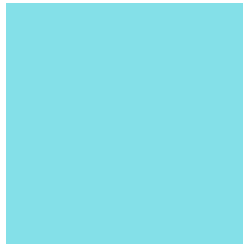
25.1961, 12.2126, 36.2571



1.8767, 0.9084, 2.7574

Previews

White Background



This preview shows how the XYZ color 50.7369, 64.0430, 86.0314 looks on a white background.

Color Contrast Check

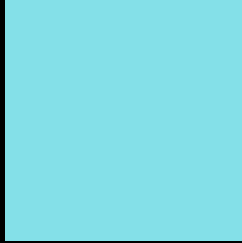
Large Text (above 18pt) WCAG AA × Fail

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 50.7369, 64.0430, 86.0314 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 50.7369, 64.0430, 86.0314

Background



This preview shows how black text looks on a background with the XYZ color 50.7369, 64.0430, 86.0314.

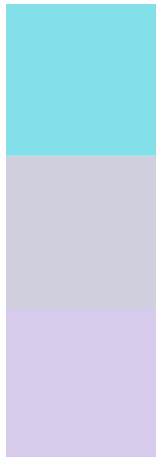


This preview shows how white text looks on a background with the XYZ color 50.7369, 64.0430,

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

50.7369, 64.0430, 86.0314

Protanopia

61.5101, 63.3095, 78.0853

Deuteranopia

64.5206, 63.2151, 88.1580



Tritanopia

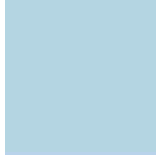
52.2565, 64.2771, 92.8716

Trichromacy



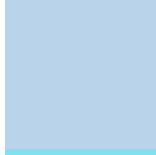
Original Color

50.7369, 64.0430, 86.0314



Protanomaly

56.3441, 62.7828, 81.1001



Deuteranomaly

58.2972, 62.9010, 87.6658



Tritanomaly

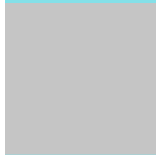
51.6518, 64.0167, 90.5230

Monochromacy



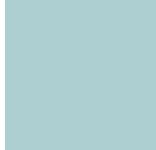
Original Color

50.7369, 64.0430, 86.0314



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.1793, 58.1630, 69.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7369, 64.0430, 86.0314 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(132, 224, 232)` looks like.

```
.text, #text, p{  
    color:rgb(132, 224, 232)  
}
```

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(132, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 224, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.7369, 64.0430, 86.0314 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(132, 224, 232) }
```


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

```
.border{ border-color:rgb(132, 224, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 224, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(132, 224,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7369, 64.0430, 86.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 224, 232) }
```

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

```
.background{ background-color: rgb(132,  
224, 232) }
```

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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