

Converting Colors

XYZ(38.6542, 46.5385, 64.0723)

Have a look what the booklet for
XYZ(38.6542, 46.5385, 64.0723)
contains.

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Color

**XYZ(38.8020, 46.7260,
64.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	81C0CC
RGB	129, 192, 204
RGB Percent	51%, 75%, 80%
CMY	0.4941, 0.2470, 0.2000
CMYK	0.37, 0.06, 0.00, 0.20
HSL	190°, 42%, 65%
HSV	190°, 37%, 80%
XYZ	38.8020, 46.7260, 64.1007
YIQ	174.5310, -41.4000, -9.6240

Conversions

Conversions Part 2

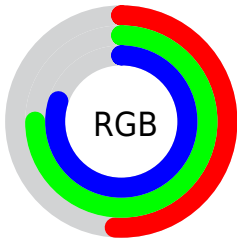
Format	Color
RYB	129, 163, 204
Decimal	8503500
CIELab	74.01, -17.08, -12.43
CIElCh	74, 21.118, 216.040
Yxy	46.7260, 0.2593, 0.3123
Android (android.graphics.Color)	4286693580 (0xFF81C0CC)
YUV	174.5310, 14.5282, -39.9307
Hunter-Lab	68.3564, -18.2996, -7.7492

Details

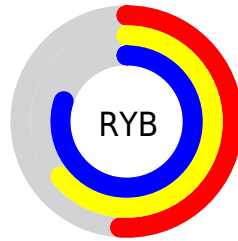
The XYZ color **38.8020, 46.7260, 64.1007** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.3900, 33.4729, 25.2077**, and the grayscale version is **40.4493, 42.5558, 46.3432**.

A 20% lighter version of the original color is **71.6928, 85.1617, 107.2670**, and **17.4952, 21.8748, 32.1543** is the 20% darker color. If you saturate the color by 10%, you get **35.2989, 43.8691, 63.7347**, and if you desaturate by 10%, it is **42.9424, 49.9372, 64.5031**.

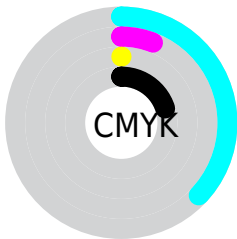
Distribution



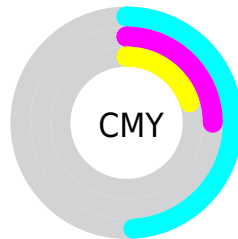
- Red (51%)
- Green (75%)
- Blue (80%)



- Red (51%)
- Yellow (64%)
- Blue (80%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8020, 46.7260, 64.1007 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 38.8020, 46.7260, 64.1007 by changing the saturation by 10% instead.

■ 38.8020, 46.7260,
64.1007

■ 38.8020, 46.7260,
64.1007

332.2696,
373.7198, 457.7706

■ 26.7858, 32.8191,
46.2855

■ 72.6318, 85.3045,
112.3568

■ 17.5481, 21.9879,
32.1209

■ 95.1760, 110.7449,
143.6348

■ 10.7238, 13.8480,
21.1883

■ 121.9602,
140.7985, 180.2376

■ 5.9473, 8.0150,
13.0691

153.3499,
175.8498, 222.5835

■ 2.8534, 4.1046,
7.3449

189.7103,
216.2832, 271.0913

■ 1.0767, 1.7322,
3.5970

231.4068,

■ 0.0055, 0.4444,

262.4831, 326.1794

1.4070

278.8048,
314.8338, 388.2663

■ 0.0000, 0.0000,
0.1471

■ 0.0000, 0.0000,
0.0000

■ 38.8020, 46.7260,
64.1007

■ 38.8020, 46.7260,
64.1007

■ 35.2989, 43.8691,
63.7347

■ 42.9424, 49.9372,
64.5031

■ 32.3918, 41.3418,
63.4001

■ 47.7500, 53.5150,
64.9403

■ 30.0410, 39.1246,
63.0960

■ 53.2577, 57.4776,
65.4149

■ 28.2001, 37.1934,
62.8203

■ 59.4950, 61.8404,
65.9282

■ 26.8150, 35.5202,
62.5704

■ 66.4899, 66.6179,
66.4817

■ 25.8148, 34.0682,
62.3428

■ 74.2686, 71.8237,
67.0766

■ 25.5313, 33.6238,
62.2720

■ 76.4011, 74.1434,
67.4119

■ 77.2397, 75.8206,
67.6914

■ 78.0949, 77.5311,
67.9765

Harmonies

Analogous

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



37.5833, 46.7260, 53.0936



38.8020, 46.7260, 64.1007



41.5313, 46.7260, 72.3141

Triad

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



38.8020, 46.7260, 64.1007



51.3738, 46.7260, 59.7855



43.6529, 46.7260, 32.8917

Complementary

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



38.8020, 46.7260, 64.1007



38.3900, 33.4729, 25.2077

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.



47.4222, 46.7260, 34.1595



38.8020, 46.7260, 64.1007



52.0208, 46.7260, 48.7223

Square

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



38.8020, 46.7260, 64.1007



48.8165, 46.7260, 69.5862



50.5375, 46.7260, 39.6093



40.2801, 46.7260, 35.8628

Rectangle

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



38.8020, 46.7260, 64.1007



43.9128, 46.7260, 74.5361



50.5375, 46.7260, 39.6093



44.9143, 46.7260, 32.8425

Sweetspot

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



38.8034, 46.7278, 64.1018



84.0579, 92.2330, 107.9802



35.3993, 49.7547, 32.6468



17.7240, 19.5489, 23.0891



0.0000, 0.0000, 0.0000



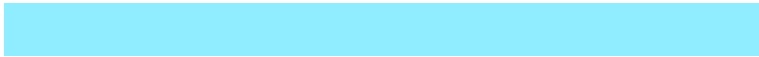
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8034, 46.7278, 64.1018



59.6419, 73.6394, 105.6781



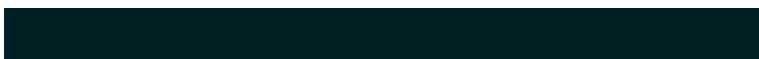
31.7165, 32.5540, 61.7395



11.3845, 12.4095, 14.3656



16.1265, 21.2770, 39.2132



0.8739, 1.1816, 2.0370

Inverse Universe

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



42.2677, 32.3449, 53.8865



66.3259, 46.9623, 85.7283



44.7360, 46.1649, 27.3230



11.6075, 11.3717, 13.7334



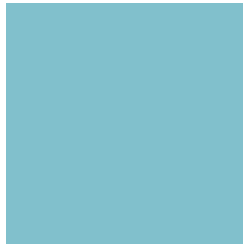
20.3508, 9.9509, 25.3638



1.0711, 0.5218, 1.4201

Previews

White Background



This preview shows how the XYZ color 38.8020, 46.7260, 64.1007 looks on a white background.

Color Contrast Check

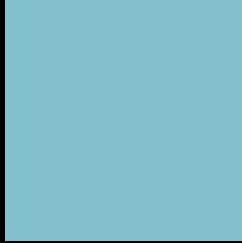
Large Text (above 18pt) WCAG AA × Fail

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 38.8020, 46.7260, 64.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

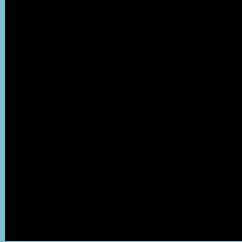
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8020, 46.7260, 64.1007

Background



This preview shows how black text looks on a background with the XYZ color 38.8020, 46.7260, 64.1007.

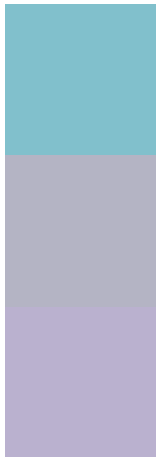


This preview shows how white text looks on a background with the XYZ color 38.8020, 46.7260,

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

38.8020, 46.7260, 64.1007

Protanopia

45.1075, 46.3313, 58.7900

Deuteranopia

47.2343, 46.3884, 65.4958



Tritanopia

39.3180, 46.9501, 66.0215

Trichromacy



Original Color

38.8020, 46.7260, 64.1007

Protanomaly

42.1472, 45.9816, 60.6868

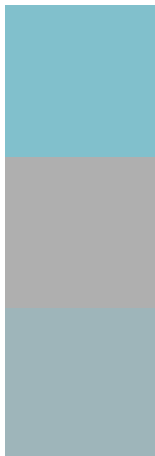
Deuteranomaly

43.3856, 45.9115, 64.9677

Tritanomaly

39.1961, 46.9013, 65.3795

Monochromacy



Original Color

38.8020, 46.7260, 64.1007

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.4874, 43.8620, 52.8394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8020, 46.7260, 64.1007 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(129, 192, 204)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 204)  
}
```

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(129, 192, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 204) }
```

Border

The CSS property to change the border of an element to XYZ 38.8020, 46.7260, 64.1007 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(129, 192, 204) }
```


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

```
.border{ border-color:rgb(129, 192, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 192, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 192, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 192, 204);  
box-shadow:4px 4px 4px 4px rgb(129, 192,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8020, 46.7260, 64.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 192, 204) }
```

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

```
.background{ background-color: rgb(129,  
192, 204) }
```

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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