

Converting Colors

XYZ(40.8577, 51.8856, 63.7386)

Have a look what the booklet for
XYZ(40.8577, 51.8856, 63.7386)
contains.

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Color

**XYZ(40.8577, 51.8856,
63.7386)**

Conversions

Conversions Part 1

Format	Color
Hex	7ECCCA
RGB	126, 204, 202
RGB Percent	49%, 80%, 79%
CMY	0.5059, 0.2000, 0.2078
CMYK	0.38, 0.00, 0.01, 0.20
HSL	178°, 43%, 65%
HSV	178°, 38%, 80%
XYZ	40.8577, 51.8856, 63.7386
YIQ	180.4500, -45.8460, -17.1580

Conversions

Conversions Part 2

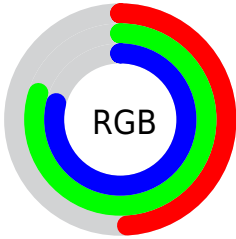
Format	Color
R _{YB}	126, 166, 204
Decimal	8309962
CIE Lab	77.21, -24.42, -6.59
CIE LCh	77, 25.299, 195.110
Yxy	51.8856, 0.2611, 0.3316
Android (android.graphics.Color)	4286500042 (0xFF7ECCCA)
YUV	180.4500, 10.6242, -47.7526
Hunter-Lab	72.0317, -24.8069, -2.0417

Details

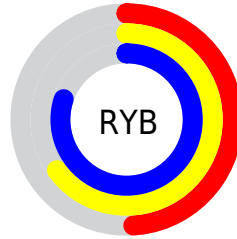
The XYZ color **40.8577, 51.8856, 63.7386** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2607, 29.3191, 24.1720**, and the grayscale version is **43.5878, 45.8578, 49.9391**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **18.8502, 25.2904, 31.9050** is the 20% darker color. If you saturate the color by 10%, you get **38.0894, 50.4669, 63.2870**, and if you desaturate by 10%, it is **44.2426, 53.6247, 64.2224**.

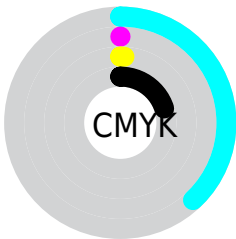
Distribution



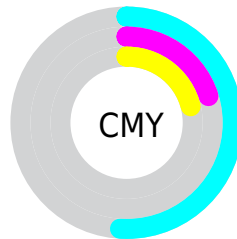
- Red (49%)
- Green (80%)
- Blue (79%)



- Red (49%)
- Yellow (65%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (51%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8577, 51.8856, 63.7386 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 40.8577, 51.8856, 63.7386 by changing the saturation by 10% instead.

■ 40.8577, 51.8856,
63.7386

■ 40.8577, 51.8856,
63.7386

340.7983,
393.9948, 456.4266

■ 28.3951, 36.9139,
45.9942

■ 75.7439, 92.9625,
111.8302

■ 18.7657, 25.1408,
31.8926

■ 98.8982, 119.8365,
143.0145

■ 11.6041, 16.1820,
21.0153

■ 126.3471,
151.4467, 179.5158

■ 6.5450, 9.6530,
12.9439

158.4560,
188.1775, 221.7527

■ 3.2230, 5.1695,
7.2596

195.5902,
230.4133, 270.1436

■ 1.2727, 2.3471,
3.5441

238.1151,

■ 0.1627, 0.7985,

278.5386, 325.1073

1.3787

286.3960,
332.9376, 387.0621

■ 0.0000, 0.0000,
0.1250

■ 0.0000, 0.0000,
0.0000

■ 40.8577, 51.8856,
63.7386

■ 40.8577, 51.8856,
63.7386

■ 38.0894, 50.4669,
63.2870

■ 44.2426, 53.6247,
64.2224

■ 35.8957, 49.3431,
62.8623

■ 48.2740, 55.6957,
64.7364

■ 34.2363, 48.4948,
62.4637

■ 52.9851, 58.1172,
65.2833

■ 33.0642, 47.8976,
62.0890

■ 58.4057, 60.9044,
65.8646

■ 32.3238, 47.5230,
61.7356

■ 64.5638, 64.0717,
66.4814

■ 31.9313, 47.3277,
61.3995

■ 71.4858, 67.6328,
67.1351

■ 31.8755, 47.3002,
61.3409

■ 73.9339, 68.8875,
67.5805

■ 73.9975, 68.9130,
67.9155

■ 74.0613, 68.9385,
68.2515

Harmonies

Analogous

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



40.8495, 51.8856, 49.9126



40.8577, 51.8856, 63.7386



43.0290, 51.8856, 77.5825

Triad

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



40.8577, 51.8856, 63.7386



56.2144, 51.8856, 77.4929



51.7484, 51.8856, 34.4345

Complementary

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



40.8577, 51.8856, 63.7386



36.2607, 29.3191, 24.1720

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.



56.1867, 51.8856, 39.6227



40.8577, 51.8856, 63.7386



58.8776, 51.8856, 63.6313

Square

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



40.8577, 51.8856, 63.7386



51.7842, 51.8856, 86.3644



58.8672, 51.8856, 49.8214



46.9270, 51.8856, 34.4536

Rectangle

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



40.8577, 51.8856, 63.7386



45.4979, 51.8856, 84.3165



58.8672, 51.8856, 49.8214



53.3413, 51.8856, 35.5845

Sweetspot

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



40.8592, 51.8877, 63.7398



85.3571, 95.0165, 107.8424



34.3529, 49.3300, 27.4508



18.0358, 20.2171, 23.0559



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.



40.8592, 51.8877, 63.7398



63.7606, 83.9253, 104.9250



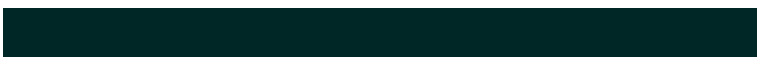
33.4337, 36.6547, 62.4419



11.5304, 12.7219, 14.3503



20.0676, 29.7724, 38.6367



1.0393, 1.5375, 2.0144

Inverse Universe

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



36.2607, 29.3191, 24.1720



55.0717, 41.2655, 30.1491



41.6604, 40.3273, 25.3280



11.2238, 11.2183, 11.7132



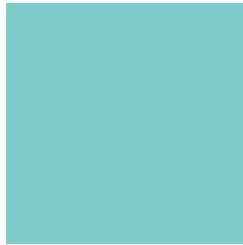
15.6968, 8.0893, 0.8563



0.8140, 0.4190, 0.0662

Previews

White Background



This preview shows how the XYZ color 40.8577, 51.8856, 63.7386 looks on a white background.

Color Contrast Check

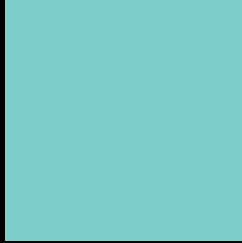
Large Text (above 18pt) WCAG AA × Fail

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 40.8577, 51.8856, 63.7386 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 40.8577, 51.8856, 63.7386

Background



This preview shows how black text looks on a background with the XYZ color 40.8577, 51.8856, 63.7386.



This preview shows how white text looks on a background with the XYZ color 40.8577, 51.8856,

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

40.8577, 51.8856, 63.7386

Protanopia

49.5615, 51.4519, 57.7711

Deuteranopia

52.3685, 51.1547, 65.5063



Tritanopia

42.9813, 52.0488, 74.1107

Trichromacy



Original Color

40.8577, 51.8856, 63.7386

Protanomaly

45.4040, 50.8939, 59.6550

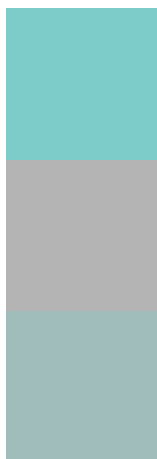
Deuteranomaly

47.1058, 50.6681, 65.0548

Tritanomaly

42.2929, 52.1325, 70.1209

Monochromacy



Original Color

40.8577, 51.8856, 63.7386

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.7719, 47.4996, 54.5437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8577, 51.8856, 63.7386 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(126, 204, 202)` looks like.

```
.text, #text, p{  
    color:rgb(126, 204, 202)  
}
```

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(126, 204, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 204, 202) }
```

Border

The CSS property to change the border of an element to XYZ 40.8577, 51.8856, 63.7386 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(126, 204, 202) }
```


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

```
.border{ border-color:rgb(126, 204, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 204, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 204, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 204, 202);  
box-shadow:4px 4px 4px 4px rgb(126, 204,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8577, 51.8856, 63.7386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 204, 202) }
```

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

```
.background{ background-color: rgb(126,  
204, 202) }
```

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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