

Converting Colors

XYZ(38.0062, 51.8892, 67.5672)

Have a look what the booklet for
XYZ(38.0062, 51.8892, 67.5672)
contains.

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Color

**XYZ(37.9655, 51.7405,
67.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	58D0D0
RGB	88, 208, 208
RGB Percent	35%, 82%, 82%
CMY	0.6549, 0.1843, 0.1843
CMYK	0.58, 0.00, 0.00, 0.18
HSL	180°, 56%, 58%
HSV	180°, 58%, 82%
XYZ	37.9655, 51.7405, 67.6604
YIQ	172.1200, -71.5200, -25.4400

Conversions

Conversions Part 2

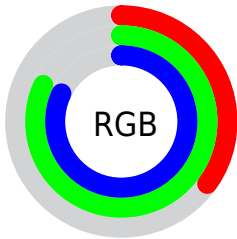
Format	Color
R_{YB}	88, 148, 208
Decimal	5820624
CIE _{Lab}	77.13, -33.17, -10.11
CIE _{LCh}	77, 34.678, 196.947
Yxy	51.7405, 0.2413, 0.3288
Android (android.graphics.Color)	4284010704 (0xFF58D0D0)
YUV	172.1200, 17.6888, -73.7732
Hunter-Lab	71.9309, -31.6658, -5.4184

Details

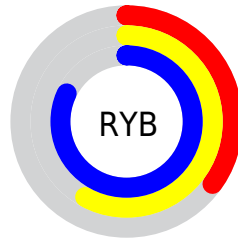
The XYZ color **37.9655, 51.7405, 67.6604** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.2653, 21.0955, 11.6581**, and the grayscale version is **39.2141, 41.2563, 44.9281**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **17.2240, 25.1156, 34.5118** is the 20% darker color. If you saturate the color by 10%, you get **36.2708, 50.8680, 67.5820**, and if you desaturate by 10%, it is **40.2249, 52.9064, 67.7675**.

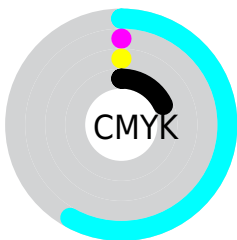
Distribution



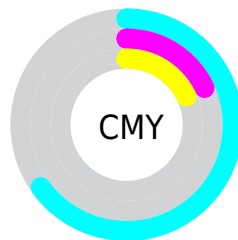
- Red (35%)
- Green (82%)
- Blue (82%)



- Red (35%)
- Yellow (58%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9655, 51.7405, 67.6604 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 37.9655, 51.7405, 67.6604 by changing the saturation by 10% instead.

37.9655, 51.7405,
67.6604

37.9655, 51.7405,
67.6604

328.7554,
393.4340, 470.8572

26.1330, 36.7983,
49.1565

71.3595, 92.7484,
117.5158

17.0564, 25.0513,
34.3772

93.6517, 119.5829,
149.7044

10.3702, 16.1153,
22.9038

120.1612,
151.1503, 187.2917

5.7093, 9.6058,
14.3179

151.2533,
187.8349, 230.6962

2.7081, 5.1384,
8.2008

187.2935,
230.0212, 280.3365

1.0013, 2.3287,
4.1341

228.6469,

0.0000, 0.7888,

278.0935, 336.6311

1.6992

275.6791,
332.4363, 399.9984

■ 0.0000, 0.0000,
0.3602

■ 0.0000, 0.0000,
0.0000

■ 37.9655, 51.7405,
67.6604

■ 37.9655, 51.7405,
67.6604

■ 36.2708, 50.8680,
67.5820

■ 40.2249, 52.9064,
67.7675

■ 35.0870, 50.2578,
67.5264


■ 43.0877, 54.3823,
67.9017


■ 34.3579, 49.8819,
67.4921


■ 46.5948, 56.1902,
68.0660


■ 34.0020, 49.6984,
67.4752


■ 50.7819, 58.3487,
68.2622


 33.9418, 49.6674,
67.4723

 55.6823, 60.8750,
68.4918

 61.3271, 63.7850,
68.7561

 67.7454, 67.0937,
69.0567

 74.9650, 70.8156,
69.3948

 75.1824, 70.9276,
69.4052

Harmonies

Analogous

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



37.7772, 51.7405, 48.4880



37.9655, 51.7405, 67.6604



40.9798, 51.7405, 87.4406

Triad

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



37.9655, 51.7405, 67.6604



59.0916, 51.7405, 85.1106



52.1130, 51.7405, 27.7343

Complementary

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



37.9655, 51.7405, 67.6604



31.2653, 21.0955, 11.6581

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.



58.4021, 51.7405, 33.6516



37.9655, 51.7405, 67.6604



62.6683, 51.7405, 64.9895

Square

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



37.9655, 51.7405, 67.6604



52.9873, 51.7405, 98.9645



62.4052, 51.7405, 46.3525



45.5554, 51.7405, 28.1364

Rectangle

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



37.9655, 51.7405, 67.6604



44.3538, 51.7405, 97.0409



62.4052, 51.7405, 46.3525



54.3395, 51.7405, 28.9819

Sweetspot

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



37.9671, 51.7425, 67.6616



80.8605, 92.6850, 108.2354



28.5354, 47.9920, 16.9932



16.9970, 19.6784, 23.1523



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.



37.9671, 51.7425, 67.6616



57.0382, 80.4042, 107.1187



26.3177, 28.4433, 63.7797



12.1584, 13.4071, 15.1906



21.1537, 30.9544, 42.0511



1.1828, 1.7308, 2.3512

Inverse Universe

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



31.2653, 21.0955, 11.6581



45.4528, 27.4245, 10.3050



38.0546, 34.6742, 13.9208



11.8088, 11.8083, 12.2689



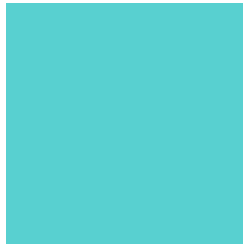
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 37.9655, 51.7405, 67.6604 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 37.9655, 51.7405, 67.6604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

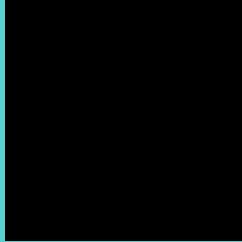
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

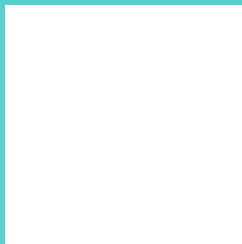
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9655, 51.7405, 67.6604

Background



This preview shows how black text looks on a background with the XYZ color 37.9655, 51.7405, 67.6604.

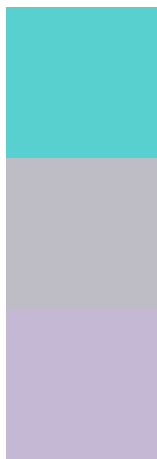


This preview shows how white text looks on a background with the XYZ color 37.9655, 51.7405,

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

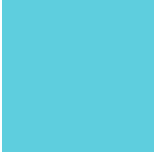
37.9655, 51.7405, 67.6604

Protanopia

49.1822, 50.8991, 59.4569

Deuteranopia

51.9157, 50.8208, 70.0239



Tritanopia

39.8722, 51.7962, 77.0034

Trichromacy



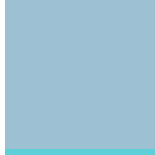
Original Color

37.9655, 51.7405, 67.6604



Protanomaly

43.0773, 49.9726, 62.0189



Deuteranomaly

44.7325, 50.0112, 68.9235



Tritanomaly

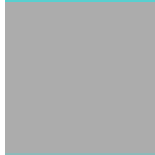
39.2508, 51.9107, 73.5967

Monochromacy



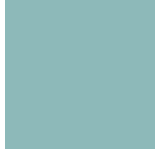
Original Color

37.9655, 51.7405, 67.6604



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.0904, 43.8634, 52.4106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9655, 51.7405, 67.6604 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(88, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 208, 208)  
}
```

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(88, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 208, 208) }
```

Border

The CSS property to change the border of an element to XYZ 37.9655, 51.7405, 67.6604 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(88, 208, 208) }
```


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

```
.border{ border-color:rgb(88, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 208,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9655, 51.7405, 67.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 208, 208) }
```

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

```
.background{ background-color: rgb(88, 208,  
208) }
```

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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