

Converting Colors

XYZ(37.6037, 48.6771, 56.9714)

Have a look what the booklet for
XYZ(37.6037, 48.6771, 56.9714)
contains.

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Color

**XYZ(37.5731, 48.6015,
56.6909)**

Conversions

Conversions Part 1

Format	Color
Hex	78C7BF
RGB	120, 199, 191
RGB Percent	47%, 78%, 75%
CMY	0.5294, 0.2196, 0.2510
CMYK	0.40, 0.00, 0.04, 0.22
HSL	174°, 41%, 63%
HSV	174°, 40%, 78%
XYZ	37.5731, 48.6015, 56.6909
YIQ	174.4670, -44.5160, -19.2360

Conversions

Conversions Part 2

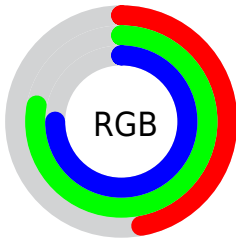
Format	Color
RYB	120, 162, 199
Decimal	7915455
CIELab	75.20, -26.16, -3.65
CIELCh	75, 26.411, 187.946
Yxy	48.6015, 0.2630, 0.3402
Android (android.graphics.Color)	4286105535 (0xFF78C7BF)
YUV	174.4670, 8.1508, -47.7676
Hunter-Lab	69.7148, -25.7975, 0.5867

Details

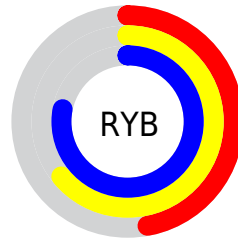
The XYZ color **37.5731, 48.6015, 56.6909** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1676, 27.1349, 23.8606**, and the grayscale version is **40.4492, 42.5557, 46.3432**.

A 20% lighter version of the original color is **70.4530, 87.4655, 101.1650**, and **16.8928, 23.2096, 27.6343** is the 20% darker color. If you saturate the color by 10%, you get **34.8749, 47.2372, 55.4155**, and if you desaturate by 10%, it is **40.8507, 50.2666, 58.0115**.

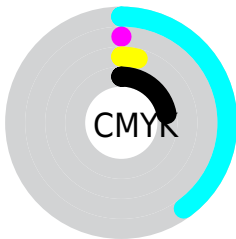
Distribution



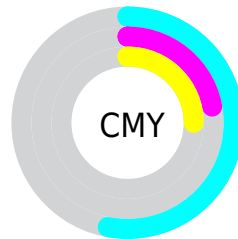
- Red (47%)
- Green (78%)
- Blue (75%)



- Red (47%)
- Yellow (64%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (53%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5731, 48.6015, 56.6909 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 37.5731, 48.6015, 56.6909 by changing the saturation by 10% instead.

■ 37.5731, 48.6015,
56.6909

■ 37.5731, 48.6015,
56.6909

327.0977,
381.1714, 429.7513

■ 25.8272, 34.3035,
40.3494

■ 70.7615, 88.0993,
101.5099

■ 16.8264, 23.1268,
27.4952

■ 92.9347, 114.0679,
130.8245

■ 10.2054, 14.6872,
17.7098

■ 119.3144,
144.6954, 165.3005

■ 5.5986, 8.6001,
10.5745

150.2659,
180.3663, 205.3565

■ 2.6409, 4.4813,
5.6710

186.1547,
221.4650, 251.4111

■ 0.9669, 1.9463,
2.5805

227.3460,

■ 0.0000, 0.5760,

268.3758, 303.8827

0.8824

274.2052,
321.4831, 363.1899

■ 0.0000, 0.0000,
0.0000

■ 37.5731, 48.6015,
56.6909

■ 37.5731, 48.6015,
56.6909

■ 34.8749, 47.2372,
55.4155

■ 40.8507, 50.2666,
58.0115

■ 32.7160, 46.1494,
54.1802

■ 44.7363, 52.2435,
59.3754

■ 31.0581, 45.3194,
52.9841


■ 49.2614, 54.5498,
60.7854


■ 29.8558, 44.7240,
51.8251


■ 54.4544, 57.2000,
62.2427


■ 29.0556, 44.3355,
50.7006


■ 60.3418, 60.2078,
63.7487


 28.5590, 44.1033,
49.6060

 66.9487, 63.5862,
65.3047

 28.5454, 44.0969,
49.5732

 72.6972, 66.5217,
66.8368

 72.9423, 66.6197,
68.1277

 73.1906, 66.7190,
69.4351

Harmonies

Analogous

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



38.0912, 48.6015, 43.5247



37.5731, 48.6015, 56.6909



39.2342, 48.6015, 71.0669

Triad

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



37.5731, 48.6015, 56.6909



52.1592, 48.6015, 76.8545



49.7792, 48.6015, 31.8528

Complementary

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



37.5731, 48.6015, 56.6909



34.1676, 27.1349, 23.8606

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.



53.9324, 48.6015, 38.1575



37.5731, 48.6015, 56.6909



55.3720, 48.6015, 63.5757

Square

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



37.5731, 48.6015, 56.6909



47.4933, 48.6015, 83.9639



56.0426, 48.6015, 49.3178



44.9192, 48.6015, 30.6596

Rectangle

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



37.5731, 48.6015, 56.6909



41.4270, 48.6015, 78.8879



56.0426, 48.6015, 49.3178



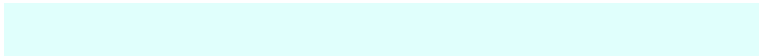
51.3139, 48.6015, 33.3838

Sweetspot

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



37.5745, 48.6034, 56.6920



84.1795, 94.4532, 105.8073



32.9013, 46.8890, 25.0866



17.7871, 20.0992, 22.5767



0.0000, 0.0000, 0.0000



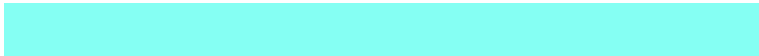
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5745, 48.6034, 56.6920



61.4874, 82.9211, 97.2437



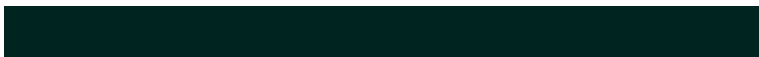
32.1913, 36.3888, 59.3621



10.8986, 12.0483, 13.4163



18.3732, 28.3617, 31.9738



0.8837, 1.3484, 1.5862

Inverse Universe

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



34.1676, 27.1349, 23.8606



54.6836, 39.9700, 31.6202



37.8966, 35.4030, 22.6063



10.6768, 10.6541, 11.2813



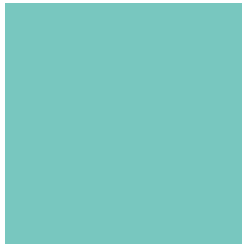
15.2428, 7.8467, 1.2225



0.7369, 0.3776, 0.1379

Previews

White Background



This preview shows how the XYZ color 37.5731, 48.6015, 56.6909 looks on a white background.

Color Contrast Check

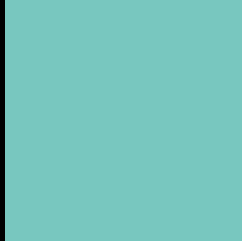
Large Text (above 18pt) WCAG AA × Fail

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 37.5731, 48.6015, 56.6909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

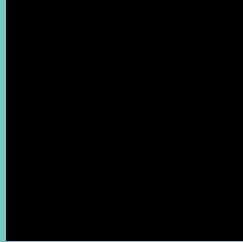
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

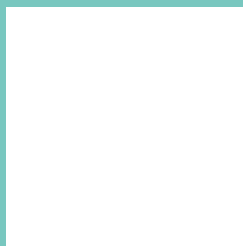
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5731, 48.6015, 56.6909

Background



This preview shows how black text looks on a background with the XYZ color 37.5731, 48.6015, 56.6909.

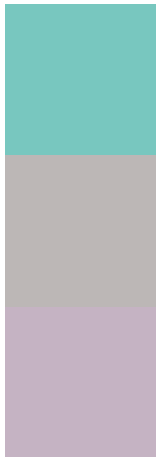


This preview shows how white text looks on a background with the XYZ color 37.5731, 48.6015,

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

37.5731, 48.6015, 56.6909

Protanopia

46.1160, 47.9357, 51.0779

Deuteranopia

48.9964, 48.0506, 58.3221



Tritanopia

40.2278, 48.6689, 69.5612

Trichromacy



Original Color

37.5731, 48.6015, 56.6909

Protanomaly

42.0588, 47.6845, 52.8862

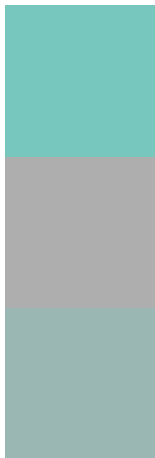
Deuteranomaly

43.6587, 47.4479, 57.8962

Tritanomaly

39.1775, 48.5772, 64.4382

Monochromacy



Original Color

37.5731, 48.6015, 56.6909

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.4981, 44.0323, 49.6500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5731, 48.6015, 56.6909 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(120, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(120, 199, 191)  
}
```

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(120, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 199, 191) }
```

Border

The CSS property to change the border of an element to XYZ 37.5731, 48.6015, 56.6909 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(120, 199, 191) }
```


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

```
.border{ border-color:rgb(120, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(120, 199,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5731, 48.6015, 56.6909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 199, 191) }
```

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

```
.background{ background-color: rgb(120,  
199, 191) }
```

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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