

Converting Colors

XYZ(37.6111, 51.6012, 64.7578)

Have a look what the booklet for
XYZ(37.6111, 51.6012, 64.7578)
contains.

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Color

**XYZ(37.5518, 51.5972,
64.4800)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5AD0CB |
| RGB | 90, 208, 203 |
| RGB Percent | 35%, 82%, 80% |
| CMY | 0.6470, 0.1843, 0.2039 |
| CMYK | 0.57, 0.00, 0.02, 0.18 |
| HSL | 177°, 56%, 58% |
| HSV | 177°, 57%, 82% |
| XYZ | 37.5518, 51.5972, 64.4800 |
| YIQ | 172.1480, -68.7230, -26.5710 |

Conversions

Conversions Part 2

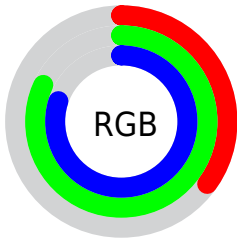
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 90, 150, 208 |
| Decimal | 5951691 |
| CIELab | 77.04, -34.14, -7.54 |
| CIELCh | 77, 34.966, 192.452 |
| Yxy | 51.5972, 0.2444, 0.3359 |
| Android (android.graphics.Color) | 4284141771 (0xFF5AD0CB) |
| YUV | 172.1480, 15.2100, -72.0438 |
| Hunter-Lab | 71.8312, -32.3886, -2.9404 |

Details

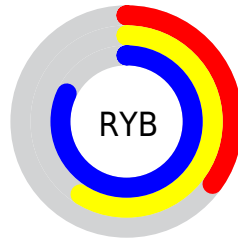
The XYZ color **37.5518, 51.5972, 64.4800** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.7359, 21.5500, 13.3151**, and the grayscale version is **39.2394, 41.2829, 44.9570**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **16.8160, 24.9524, 32.3638** is the 20% darker color. If you saturate the color by 10%, you get **35.7004, 50.6561, 63.8475**, and if you desaturate by 10%, it is **39.9729, 52.8343, 65.1446**.

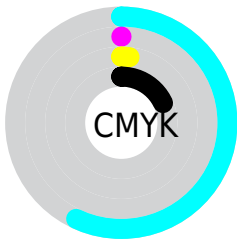
Distribution



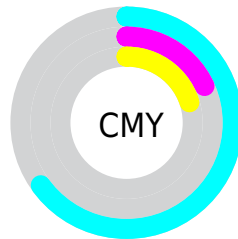
- Red (35%)
- Green (82%)
- Blue (80%)



- Red (35%)
- Yellow (59%)
- Blue (82%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (65%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5518, 51.5972, 64.4800 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 37.5518, 51.5972, 64.4800 by changing the saturation by 10% instead.

37.5518, 51.5972,
64.4800

37.5518, 51.5972,
64.4800

327.0076,
392.8796, 459.1759

25.8106, 36.6841,
46.5909

70.7290, 92.5369,
112.9080

16.8140, 24.9630,
32.3603

92.8957, 119.3323,
144.2840

10.1964, 16.0495,
21.3698

119.2684,
150.8573, 180.9928

5.5927, 9.5592,
13.2007

150.2123,
187.4963, 223.4527

2.6373, 5.1077,
7.4345

186.0928,
229.6336, 272.0825

0.9650, 2.3106,
3.6528

227.2753,

0.0000, 0.7793,

277.6537, 327.3006

1.4369

274.1251,
331.9409, 389.5255

■ 0.0000, 0.0000,
0.1702

■ 0.0000, 0.0000,
0.0000

■ 37.5518, 51.5972,
64.4800

■ 37.5518, 51.5972,
64.4800

■ 35.7004, 50.6561,
63.8475

■ 39.9729, 52.8343,
65.1446

■ 34.3654, 49.9799,
63.2411


■ 43.0020, 54.3836,
65.8396


■ 33.4919, 49.5415,
62.6595


■ 46.6795, 56.2671,
66.5681


■ 33.0059, 49.3029,
62.0990


■ 51.0409, 58.5032,
67.3317


 32.8871, 49.2456,
61.9183

 56.1193, 61.1087,
68.1320

 61.9456, 64.0998,
68.9705

 68.5487, 67.4912,
69.8485

 75.4364, 71.0293,
70.7429

 75.5467, 71.0734,
71.3234

Harmonies

Analogous

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



37.7994, 51.5972, 45.8159



37.5518, 51.5972, 64.4800



40.1726, 51.5972, 84.8045

Triad

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



37.5518, 51.5972, 64.4800



58.2194, 51.5972, 87.8805



53.0118, 51.5972, 27.9281

Complementary

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



37.5518, 51.5972, 64.4800



31.7359, 21.5500, 13.3151

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.



59.1284, 51.5972, 34.8531



37.5518, 51.5972, 64.4800



62.3173, 51.5972, 68.0012

Square

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



37.5518, 51.5972, 64.4800



51.8598, 51.5972, 100.2313



62.6643, 51.5972, 48.6257



46.3274, 51.5972, 27.4009

Rectangle

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



37.5518, 51.5972, 64.4800



43.3449, 51.5972, 95.4534



62.6643, 51.5972, 48.6257



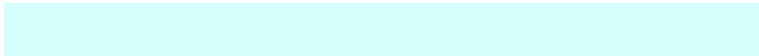
55.2168, 51.5972, 29.4976

Sweetspot

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



37.5533, 51.5992, 64.4812



80.5661, 92.5673, 106.6852



29.2163, 48.3333, 17.4634



16.9266, 19.6502, 22.7815



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.



37.5533, 51.5992, 64.4812



56.0939, 80.0515, 101.0173



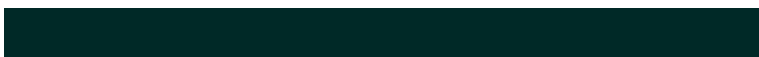
27.3080, 30.1390, 64.0548



12.1358, 13.3981, 15.0716



20.5057, 30.6952, 38.6390



1.1534, 1.7190, 2.1966

Inverse Universe

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



31.7359, 21.5500, 13.3151



46.0283, 27.9549, 12.4101



37.6972, 33.8249, 14.2160



11.8288, 11.8162, 12.3741



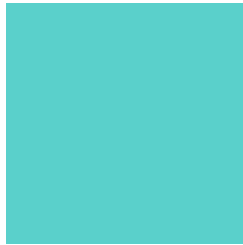
16.2515, 8.3734, 0.9645



0.9160, 0.4711, 0.0923

Previews

White Background



This preview shows how the XYZ color 37.5518, 51.5972, 64.4800 looks on a white background.

Color Contrast Check

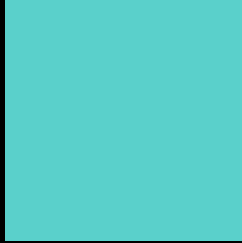
Large Text (above 18pt) WCAG AA × Fail

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 37.5518, 51.5972, 64.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

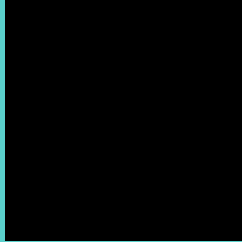
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

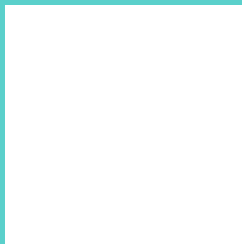
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5518, 51.5972, 64.4800

Background



This preview shows how black text looks on a background with the XYZ color 37.5518, 51.5972, 64.4800.

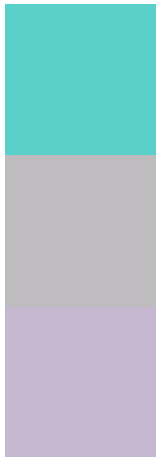


This preview shows how white text looks on a background with the XYZ color 37.5518, 51.5972,

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

37.5518, 51.5972, 64.4800

Protanopia

48.8730, 50.8044, 56.5206

Deuteranopia

51.8144, 50.8408, 66.7569



Tritanopia

39.9459, 51.4780, 76.9381

Trichromacy



Original Color

37.5518, 51.5972, 64.4800



Protanomaly

42.6919, 49.8404, 58.9998



Deuteranomaly

44.5086, 49.9671, 65.6913



Tritanomaly

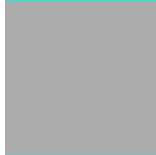
38.9531, 51.4286, 72.1636

Monochromacy



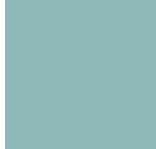
Original Color

37.5518, 51.5972, 64.4800



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.0515, 43.8676, 51.3142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5518, 51.5972, 64.4800 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(90, 208, 203)` looks like.

```
.text, #text, p{  
    color:rgb(90, 208, 203)  
}
```

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(90, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 208, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.5518, 51.5972, 64.4800 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(90, 208, 203) }
```


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

```
.border{ border-color:rgb(90, 208, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 208, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(90, 208,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5518, 51.5972, 64.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 208, 203) }
```

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

```
.background{ background-color: rgb(90, 208,  
203) }
```

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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