

Converting Colors

XYZ(37.8164, 51.6329, 58.2183)

Have a look what the booklet for
XYZ(37.8164, 51.6329, 58.2183)
contains.

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Color

**XYZ(37.7642, 51.4792,
58.3982)**

Conversions

Conversions Part 1

Format	Color
Hex	69CFC1
RGB	105, 207, 193
RGB Percent	41%, 81%, 76%
CMY	0.5882, 0.1882, 0.2431
CMYK	0.49, 0.00, 0.07, 0.19
HSL	172°, 52%, 61%
HSV	172°, 49%, 81%
XYZ	37.7642, 51.4792, 58.3982
YIQ	174.9060, -56.2980, -25.9780

Conversions

Conversions Part 2

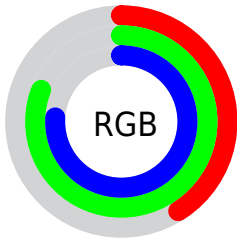
Format	Color
RYB	105, 160, 207
Decimal	6934465
CIELab	76.97, -33.15, -2.21
CIELCh	77, 33.220, 183.807
Yxy	51.4792, 0.2558, 0.3487
Android (android.graphics.Color)	4285124545 (0xFF69CFC1)
YUV	174.9060, 8.9203, -61.3076
Hunter-Lab	71.7490, -31.6095, 1.9668

Details

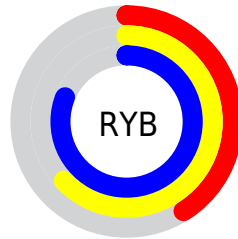
The XYZ color **37.7642, 51.4792, 58.3982** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1153, 24.7020, 20.4246**, and the grayscale version is **40.6765, 42.7948, 46.6035**.

A 20% lighter version of the original color is **67.9631, 86.1461, 102.6684**, and **16.9581, 24.8635, 28.7163** is the 20% darker color. If you saturate the color by 10%, you get **35.3089, 50.2510, 56.6453**, and if you desaturate by 10%, it is **40.8203, 53.0190, 60.2133**.

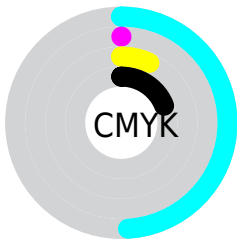
Distribution



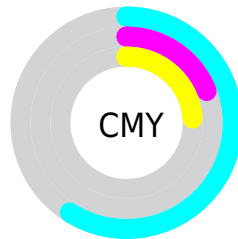
- Red (41%)
- Green (81%)
- Blue (76%)



- Red (41%)
- Yellow (63%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)



- Cyan (59%)
- Magenta (19%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7642, 51.4792, 58.3982 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 37.7642, 51.4792, 58.3982 by changing the saturation by 10% instead.

■ 37.7642, 51.4792,
58.3982

■ 37.7642, 51.4792,
58.3982

■ 327.9057,
392.4227, 436.3077

■ 25.9761, 36.5901,
41.7120

■ 71.0528, 92.3627,
104.0230

■ 16.9384, 24.8903,
28.5520

■ 93.2840, 119.1259,
133.7987

■ 10.2856, 15.9953,
18.4995

■ 119.7270,
150.6160, 168.7747

■ 5.6524, 9.5209,
11.1361

■ 150.7471,
187.2173, 209.3695

■ 2.6735, 5.0824,
6.0431

■ 186.7097,
229.3142, 256.0017

■ 0.9836, 2.2957,
2.8021

■ 227.9801,

■ 0.0000, 0.7714,

277.2912, 309.0898

0.9945

274.9236,
331.5325, 369.0522

■ 0.0000, 0.0000,
0.0000

■ 37.7642, 51.4792,
58.3982

■ 37.7642, 51.4792,
58.3982

■ 35.3089, 50.2510,
56.6453

■ 40.8203, 53.0190,
60.2133

■ 33.4061, 49.3056,
54.9488

■ 44.5121, 54.8844,
62.0889

■ 32.0077, 48.6196,
53.3073


■ 48.8770, 57.0962,
64.0282


■ 31.0549, 48.1626,
51.7180


■ 53.9482, 59.6714,
66.0329


■ 30.4483, 47.8834,
50.1759


■ 59.7568, 62.6260,
68.1046

 30.4087, 47.8654,
50.0654

 66.3319, 65.9751,
70.2448

 73.7013, 69.7328,
72.4550

 75.9141, 70.8315,
74.4569

 76.2842, 70.9796,
76.4057

Harmonies

Analogous

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



38.8024, 51.4792, 42.0337



37.7642, 51.4792, 58.3982



39.4988, 51.4792, 77.7649

Triad

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



37.7642, 51.4792, 58.3982



56.0172, 51.4792, 90.2827



54.4995, 51.4792, 30.2354

Complementary

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



37.7642, 51.4792, 58.3982



34.1153, 24.7020, 20.4246

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.



59.7531, 51.4792, 38.8114



37.7642, 51.4792, 58.3982



60.6810, 51.4792, 72.8848

Square

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



37.7642, 51.4792, 58.3982



49.7419, 51.4792, 98.5121



62.1033, 51.4792, 53.7697



48.1259, 51.4792, 27.9739

Rectangle

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



37.7642, 51.4792, 58.3982



42.0898, 51.4792, 89.1441



62.1033, 51.4792, 53.7697



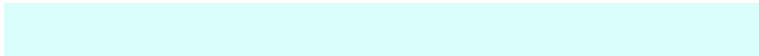
56.4726, 51.4792, 32.3686

Sweetspot

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



37.7657, 51.4812, 58.3994



81.5170, 93.1198, 103.9140



32.6517, 49.6622, 21.2306



17.0873, 19.7484, 22.0961



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.



37.7657, 51.4812, 58.3994



56.4342, 80.4566, 90.6587



31.7095, 36.7494, 64.4559



12.0857, 13.3780, 14.8074



19.1841, 30.1666, 31.6792



1.0924, 1.6946, 1.8752

Inverse Universe

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



34.1153, 24.7020, 20.4246



49.9605, 32.7576, 23.1598



37.7644, 33.2485, 17.7929



11.8739, 11.8343, 12.6117



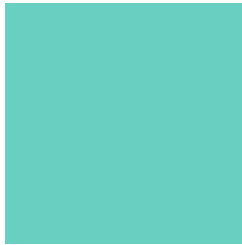
16.3681, 8.4201, 1.5786



0.9372, 0.4796, 0.2040

Previews

White Background



This preview shows how the XYZ color 37.7642, 51.4792, 58.3982 looks on a white background.

Color Contrast Check

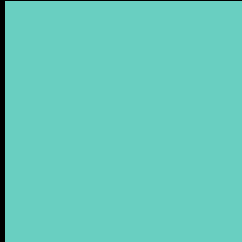
Large Text (above 18pt) WCAG AA × Fail

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 37.7642, 51.4792, 58.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

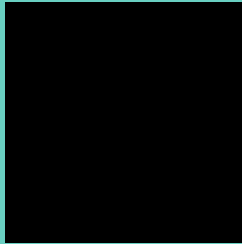
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

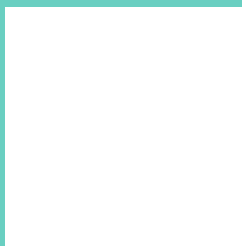
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7642, 51.4792, 58.3982

Background



This preview shows how black text looks on a background with the XYZ color 37.7642, 51.4792, 58.3982.

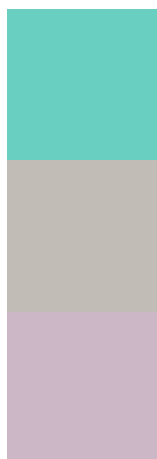


This preview shows how white text looks on a background with the XYZ color 37.7642, 51.4792,

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

37.7642, 51.4792, 58.3982

Protanopia

48.6749, 50.8132, 51.4985

Deuteranopia

51.7551, 50.6407, 60.4729



Tritanopia

40.9522, 51.3371, 74.7685

Trichromacy



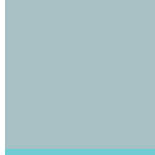
Original Color

37.7642, 51.4792, 58.3982



Protanomaly

43.2783, 50.2568, 53.8739



Deuteranomaly

44.7498, 49.9003, 59.4977



Tritanomaly

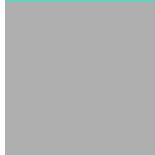
39.6561, 51.1539, 68.7564

Monochromacy



Original Color

37.7642, 51.4792, 58.3982



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.7915, 45.4021, 50.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7642, 51.4792, 58.3982 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(105, 207, 193)` looks like.

```
.text, #text, p{  
    color:rgb(105, 207, 193)  
}
```

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(105, 207, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 207, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.7642, 51.4792, 58.3982 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(105, 207, 193) }
```


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

```
.border{ border-color:rgb(105, 207, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 207, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 207, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 207, 193);  
box-shadow:4px 4px 4px 4px rgb(105, 207,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7642, 51.4792, 58.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 207, 193) }
```

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

```
.background{ background-color: rgb(105,  
207, 193) }
```

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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