

Converting Colors

XYZ(37.5069, 50.8542, 60.1102)

Have a look what the booklet for
XYZ(37.5069, 50.8542, 60.1102)
contains.

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Color

**XYZ(37.5146, 50.9529,
60.0822)**

Conversions

Conversions Part 1

Format	Color
Hex	66CEC4
RGB	102, 206, 196
RGB Percent	40%, 81%, 77%
CMY	0.6000, 0.1921, 0.2314
CMYK	0.50, 0.00, 0.05, 0.19
HSL	174°, 51%, 60%
HSV	174°, 50%, 81%
XYZ	37.5146, 50.9529, 60.0822
YIQ	173.7640, -58.7740, -25.1580

Conversions

Conversions Part 2

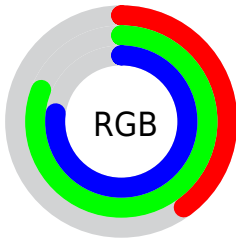
Format	Color
RYB	102, 157, 206
Decimal	6737604
CIELab	76.65, -32.59, -4.30
CIELCh	77, 32.871, 187.519
Yxy	50.9529, 0.2525, 0.3430
Android (android.graphics.Color)	4284927684 (0xFF66CEC4)
YUV	173.7640, 10.9623, -62.9370
Hunter-Lab	71.3813, -31.1062, 0.0621

Details

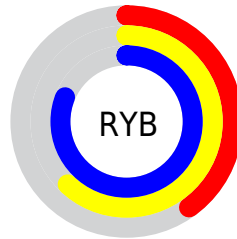
The XYZ color **37.5146, 50.9529, 60.0822** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.1313, 23.7959, 18.1779**, and the grayscale version is **40.0795, 42.1667, 45.9196**.

A 20% lighter version of the original color is **67.9868, 86.0854, 105.9614**, and **16.7484, 24.4983, 29.4371** is the 20% darker color. If you saturate the color by 10%, you get **35.2401, 49.8074, 58.8073**, and if you desaturate by 10%, it is **40.3751, 52.4025, 61.4023**.

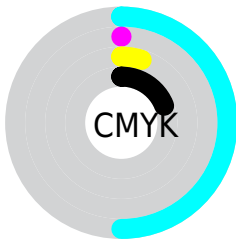
Distribution



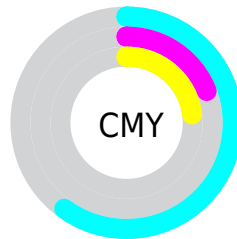
- Red (40%)
- Green (81%)
- Blue (77%)



- Red (40%)
- Yellow (62%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)



- Cyan (60%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5146, 50.9529, 60.0822 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 37.5146, 50.9529, 60.0822 by changing the saturation by 10% instead.

37.5146, 50.9529,
60.0822

37.5146, 50.9529,
60.0822

326.8501,
390.3808, 442.7137

25.7817, 36.1711,
43.0592

70.6722, 91.5851,
106.4934

16.7922, 24.5664,
29.5998

92.8277, 118.2044,
136.7187

10.1808, 15.7543,
19.2855

119.1880,
149.5383, 172.1818

5.5822, 9.3505,
11.6979

150.1185,
185.9712, 213.3013

2.6310, 4.9705,
6.4183

185.9846,
227.8875, 260.4957

0.9618, 2.2299,
3.0282

227.1517,

0.0000, 0.7362,

275.6716, 314.1835

1.1090

273.9851,
329.7079, 374.7834

■ 0.0000, 0.0000,
0.0000

■ 37.5146, 50.9529,
60.0822

■ 37.5146, 50.9529,
60.0822

■ 35.2401, 49.8074,
58.8073

■ 40.3751, 52.4025,
61.4023

■ 33.5033, 48.9376,
57.5720

■ 43.8565, 54.1707,
62.7660

■ 32.2557, 48.3197,
56.3749

■ 47.9960, 56.2778,
64.1761

■ 31.4380, 47.9230,
55.2134

■ 52.8269, 58.7409,
65.6343

■ 30.9554, 47.6976,
54.1361

■ 58.3800, 61.5760,
67.1420

■ 64.6843, 64.7980,
68.7008

■ 71.7674, 68.4212,
70.3119

■ 75.1770, 70.1502,
71.7670

■ 75.4283, 70.2507,
73.0904

Harmonies

Analogous

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



38.1985, 50.9529, 43.3865



37.5146, 50.9529, 60.0822



39.5500, 50.9529, 79.0602

Triad

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



37.5146, 50.9529, 60.0822



56.0834, 50.9529, 87.3180



53.1474, 50.9529, 29.4690

Complementary

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



37.5146, 50.9529, 60.0822



33.1313, 23.7959, 18.1779

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.



58.5469, 50.9529, 37.1258



37.5146, 50.9529, 60.0822



60.3406, 50.9529, 69.6325

Square

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



37.5146, 50.9529, 60.0822



50.0109, 50.9529, 96.8308



61.2787, 50.9529, 51.1172



46.8812, 50.9529, 27.9808

Rectangle

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



37.5146, 50.9529, 60.0822



42.2869, 50.9529, 89.6750



61.2787, 50.9529, 51.1172



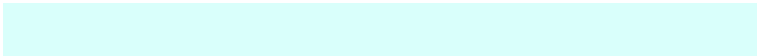
55.1393, 50.9529, 31.3130

Sweetspot

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



37.5161, 50.9549, 60.0834



81.7643, 93.2188, 105.2162



31.2043, 48.5750, 20.3028



17.1475, 19.7725, 22.4130



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.



37.5161, 50.9549, 60.0834



56.6890, 80.4917, 95.0180



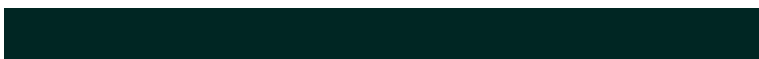
29.9688, 33.9771, 63.3734



11.4949, 12.7077, 14.1638



19.0805, 29.3775, 33.4385



0.9982, 1.5211, 1.7979

Inverse Universe

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



33.1313, 23.7959, 18.1779



48.8052, 31.4934, 19.5487



37.7664, 33.9085, 17.1260



11.2554, 11.2309, 11.8797



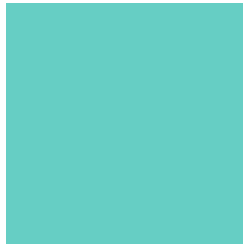
15.7666, 8.1172, 1.2237



0.8287, 0.4249, 0.1440

Previews

White Background



This preview shows how the XYZ color 37.5146, 50.9529, 60.0822 looks on a white background.

Color Contrast Check

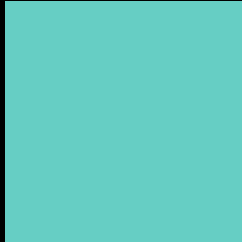
Large Text (above 18pt) WCAG AA × Fail

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 37.5146, 50.9529, 60.0822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

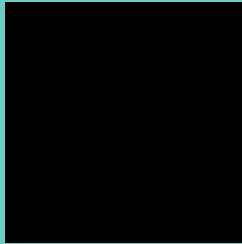
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

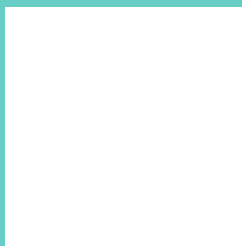
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5146, 50.9529, 60.0822

Background



This preview shows how black text looks on a background with the XYZ color 37.5146, 50.9529, 60.0822.

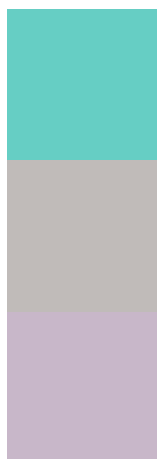


This preview shows how white text looks on a background with the XYZ color 37.5146, 50.9529,

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

37.5146, 50.9529, 60.0822

Protanopia

48.2655, 50.2499, 53.0543

Deuteranopia

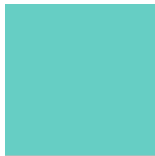
51.2955, 50.3634, 62.2759



Tritanopia

40.5725, 51.1413, 74.7507

Trichromacy



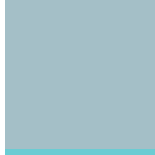
Original Color

37.5146, 50.9529, 60.0822



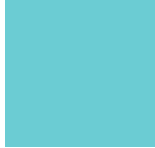
Protanomaly

42.7752, 49.6286, 55.4689



Deuteranomaly

44.2494, 49.2776, 61.2122



Tritanomaly

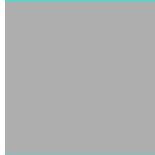
39.4141, 51.0147, 69.3975

Monochromacy



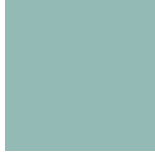
Original Color

37.5146, 50.9529, 60.0822



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2151, 44.7911, 50.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5146, 50.9529, 60.0822 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(102, 206, 196)` looks like.

```
.text, #text, p{  
    color:rgb(102, 206, 196)  
}
```

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(102, 206, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 206, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.5146, 50.9529, 60.0822 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(102, 206, 196) }
```


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

```
.border{ border-color:rgb(102, 206, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 206, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(102, 206,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5146, 50.9529, 60.0822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 206, 196) }
```

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

```
.background{ background-color: rgb(102,  
206, 196) }
```

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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