

Converting Colors

XYZ(37.9151, 46.8514, 65.6556)

Have a look what the booklet for
XYZ(37.9151, 46.8514, 65.6556)
contains.

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Color

**XYZ(37.9036, 46.8914,
65.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	76C2CE
RGB	118, 194, 206
RGB Percent	46%, 76%, 81%
CMY	0.5372, 0.2392, 0.1922
CMYK	0.43, 0.06, 0.00, 0.19
HSL	188°, 47%, 64%
HSV	188°, 43%, 81%
XYZ	37.9036, 46.8914, 65.4457
YIQ	172.6440, -49.1480, -12.3800

Conversions

Conversions Part 2

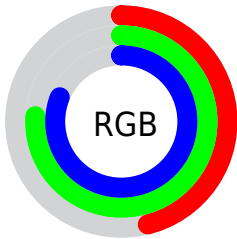
Format	Color
RYB	118, 159, 206
Decimal	7783118
CIELab	74.12, -20.42, -13.41
CIELCh	74, 24.427, 213.288
Yxy	46.8914, 0.2523, 0.3121
Android (android.graphics.Color)	4285973198 (0xFF76C2CE)
YUV	172.6440, 16.4445, -47.9228
Hunter-Lab	68.4773, -21.0318, -8.7310

Details

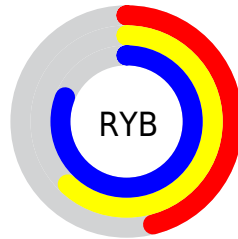
The XYZ color **37.9036, 46.8914, 65.4457** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7071, 30.3958, 21.0731**, and the grayscale version is **39.4775, 41.5334, 45.2298**.

A 20% lighter version of the original color is **70.0027, 85.2130, 107.3660**, and **17.0322, 22.0473, 33.0636** is the 20% darker color. If you saturate the color by 10%, you get **34.7869, 44.3665, 65.1234**, and if you desaturate by 10%, it is **41.6458, 49.7585, 65.8027**.

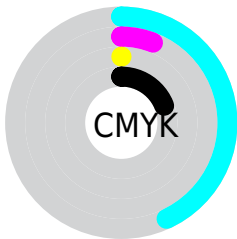
Distribution



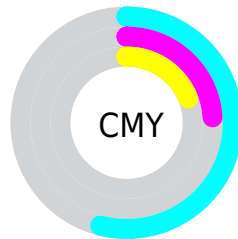
- Red (46%)
- Green (76%)
- Blue (81%)



- Red (46%)
- Yellow (62%)
- Blue (81%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



- Cyan (54%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9036, 46.8914, 65.4457 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 37.9036, 46.8914, 65.4457 by changing the saturation by 10% instead.

■ 37.9036, 46.8914,
65.4457

■ 37.9036, 46.8914,
65.4457

328.4943,
374.3809, 462.7419

■ 26.0848, 32.9498,
47.3689

■ 71.2652, 85.5515,
114.3098

■ 17.0201, 22.0880,
32.9710

■ 93.5387, 111.0388,
145.9342

■ 10.3442, 13.9216,
21.8333

■ 120.0277,
141.1434, 182.9116

■ 5.6918, 8.0661,
13.5373

151.0977,
176.2498, 225.6605

■ 2.6974, 4.1373,
7.6645

187.1140,
216.7424, 274.5994

■ 0.9959, 1.7507,
3.7964

228.4420,

■ 0.0000, 0.4561,

263.0055, 330.1469

1.5143

275.4469,
315.4235, 392.7216

■ 0.0000, 0.0000,
0.2285

■ 0.0000, 0.0000,
0.0000

■ 37.9036, 46.8914,
65.4457

■ 37.9036, 46.8914,
65.4457

■ 34.7869, 44.3665,
65.1234

■ 41.6458, 49.7585,
65.8027

■ 32.2513, 42.1575,
64.8307

■ 46.0459, 52.9812,
66.1928

■ 30.2530, 40.2429,
64.5665

■ 51.1390, 56.5790,
66.6188

■ 28.7403, 38.5959,
64.3283

■ 56.9566, 60.5681,
67.0822

■ 27.6510, 37.1843,
64.1132

■ 63.5282, 64.9637,
67.5843

■ 27.0441, 36.2630,
63.9674

■ 70.8815, 69.7804,
68.1264

■ 76.3424, 73.6396,
68.5835

■ 77.0579, 75.0707,
68.8220

■ 77.7858, 76.5264,
69.0646

Harmonies

Analogous

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



36.6909, 46.8914, 52.4504



37.9036, 46.8914, 65.4457



40.8954, 46.8914, 75.7281

Triad

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



37.9036, 46.8914, 65.4457



52.5091, 46.8914, 62.6634



44.0884, 46.8914, 30.5927

Complementary

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



37.9036, 46.8914, 65.4457



36.7071, 30.3958, 21.0731

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.



48.4560, 46.8914, 32.4265



37.9036, 46.8914, 65.4457



53.5008, 46.8914, 49.6881

Square

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



37.9036, 46.8914, 65.4457



49.3446, 46.8914, 73.9461



51.9730, 46.8914, 38.9484



40.1117, 46.8914, 33.4577

Rectangle

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



37.9036, 46.8914, 65.4457



43.5934, 46.8914, 78.8989



51.9730, 46.8914, 38.9484



45.5588, 46.8914, 30.6819

Sweetspot

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



37.9050, 46.8932, 65.4468



82.4633, 91.3960, 107.9026



33.5550, 49.5997, 28.8318



17.2369, 19.2735, 23.0616



0.0000, 0.0000, 0.0000



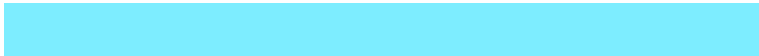
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9050, 46.8932, 65.4468



56.8622, 72.3002, 105.5661



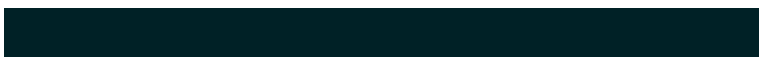
29.5619, 30.2070, 62.6658



11.4078, 12.4560, 14.3734



16.7052, 22.4343, 39.4061



0.8987, 1.2312, 2.0452

Inverse Universe

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



41.6708, 29.9750, 54.6304



63.8926, 42.0447, 85.0746



43.8092, 44.6001, 23.4405



11.6192, 11.3764, 13.7953



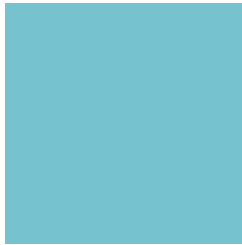
20.6429, 10.0678, 26.9020



1.0836, 0.5268, 1.4860

Previews

White Background



This preview shows how the XYZ color 37.9036, 46.8914, 65.4457 looks on a white background.

Color Contrast Check

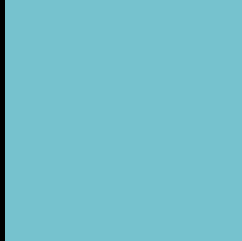
Large Text (above 18pt) WCAG AA × Fail

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 37.9036, 46.8914, 65.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

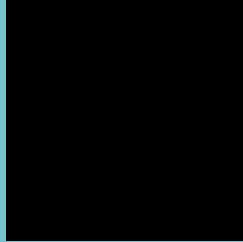
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9036, 46.8914, 65.4457

Background



This preview shows how black text looks on a background with the XYZ color 37.9036, 46.8914, 65.4457.



This preview shows how white text looks on a background with the XYZ color 37.9036, 46.8914,

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

37.9036, 46.8914, 65.4457

Protanopia

45.2217, 46.3770, 59.3915

Deuteranopia

47.3626, 46.4117, 67.4348



Tritanopia

38.4082, 47.1090, 67.3902

Trichromacy



Original Color

37.9036, 46.8914, 65.4457

Protanomaly

41.6789, 46.0362, 61.3327

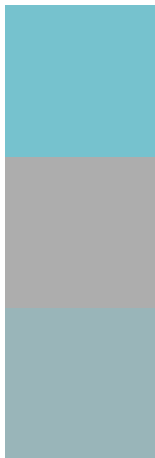
Deuteranomaly

43.1401, 46.0475, 66.9359

Tritanomaly

38.2847, 47.0596, 66.7401

Monochromacy



Original Color

37.9036, 46.8914, 65.4457

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4177, 43.3228, 52.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9036, 46.8914, 65.4457 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(118, 194, 206)` looks like.

```
.text, #text, p{  
    color:rgb(118, 194, 206)  
}
```

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(118, 194, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 194, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.9036, 46.8914, 65.4457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

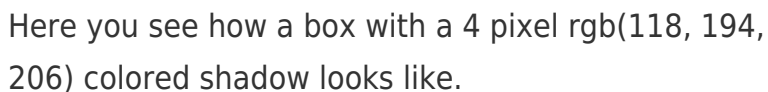
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 194, 206) }
```


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

```
.border{ border-color:rgb(118, 194, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 194, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 194, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 194, 206); box-shadow:4px 4px 4px 4px rgb(118, 194, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9036, 46.8914, 65.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 194, 206) }
```

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

```
.background{ background-color: rgb(118,  
194, 206) }
```

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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