

Converting Colors

XYZ(37.8713, 46.8366, 64.1711)

Have a look what the booklet for
XYZ(37.8713, 46.8366, 64.1711)
contains.

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Color

**XYZ(37.9366, 46.9363,
64.1869)**

Conversions

Conversions Part 1

Format	Color
Hex	78C2CC
RGB	120, 194, 204
RGB Percent	47%, 76%, 80%
CMY	0.5294, 0.2392, 0.2000
CMYK	0.41, 0.05, 0.00, 0.20
HSL	187°, 45%, 64%
HSV	187°, 41%, 80%
XYZ	37.9366, 46.9363, 64.1869
YIQ	173.0140, -47.3140, -12.5780

Conversions

Conversions Part 2

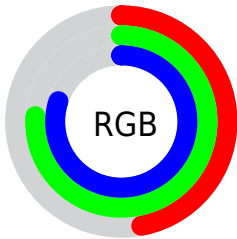
Format	Color
RYB	120, 159, 204
Decimal	7914188
CIELab	74.15, -20.44, -12.27
CIELCh	74, 23.835, 210.977
Yxy	46.9363, 0.2545, 0.3149
Android (android.graphics.Color)	4286104268 (0xFF78C2CC)
YUV	173.0140, 15.2761, -46.4933
Hunter-Lab	68.5101, -21.0505, -7.5916

Details

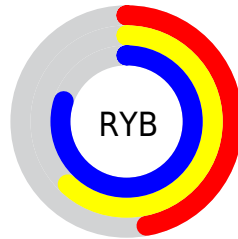
The XYZ color **37.9366, 46.9363, 64.1869** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2754, 30.1594, 21.6799**, and the grayscale version is **39.6707, 41.7366, 45.4512**.

A 20% lighter version of the original color is **70.4517, 85.4445, 107.3870**, and **16.9975, 22.0482, 32.2140** is the 20% darker color. If you saturate the color by 10%, you get **34.8675, 44.5595, 63.8907**, and if you desaturate by 10%, it is **41.6200, 49.6451, 64.5164**.

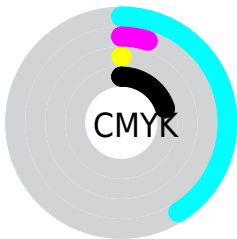
Distribution



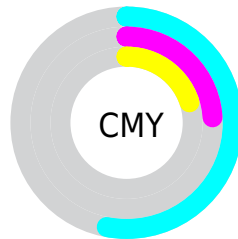
- Red (47%)
- Green (76%)
- Blue (80%)



- Red (47%)
- Yellow (62%)
- Blue (80%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9366, 46.9363, 64.1869 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 37.9366, 46.9363, 64.1869 by changing the saturation by 10% instead.

■ 37.9366, 46.9363,
64.1869

■ 37.9366, 46.9363,
64.1869

328.6335,
374.5602, 458.0902

■ 26.1105, 32.9853,
46.3549

■ 71.3155, 85.6185,
112.4821

■ 17.0394, 22.1152,
32.1753

■ 93.5989, 111.1186,
143.7824

■ 10.3581, 13.9416,
21.2295

■ 120.0989,
141.2370, 180.4093

■ 5.7011, 8.0800,
13.0990

151.1807,
176.3584, 222.7812

■ 2.7031, 4.1462,
7.3652

187.2097,
216.8670, 271.3167

■ 0.9988, 1.7557,
3.6096

228.5513,

■ 0.0000, 0.4593,

263.1472, 326.4343

1.4137

275.5707,
315.5835, 388.5527

■ 0.0000, 0.0000,
0.1524

■ 0.0000, 0.0000,
0.0000

■ 37.9366, 46.9363,
64.1869

■ 37.9366, 46.9363,
64.1869

■ 34.8675, 44.5595,
63.8907

■ 41.6200, 49.6451,
64.5164

■ 32.3699, 42.4892,
63.6227

■ 45.9488, 52.6987,
64.8777

■ 30.4020, 40.7050,
63.3821

■ 50.9570, 56.1158,
65.2733

■ 28.9145, 39.1814,
63.1664

■ 56.6748, 59.9119,
65.7047

■ 27.8486, 37.8880,
62.9729

■ 63.1308, 64.1020,
66.1732

■ 27.1640, 36.8893,
62.8162

■ 70.3518, 68.6999,
66.6800

■ 75.4336, 72.2084,
67.0894

■ 76.0414, 73.4241,
67.2920

■ 76.6584, 74.6580,
67.4977

Harmonies

Analogous

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



36.8964, 46.9363, 51.5074



37.9366, 46.9363, 64.1869



40.7459, 46.9363, 74.5445

Triad

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



37.9366, 46.9363, 64.1869



52.1820, 46.9363, 63.3823



44.4718, 46.9363, 31.0179

Complementary

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



37.9366, 46.9363, 64.1869



36.2754, 30.1594, 21.6799

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.



48.7142, 46.9363, 33.1804



37.9366, 46.9363, 64.1869



53.3336, 46.9363, 50.7060

Square

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



37.9366, 46.9363, 64.1869



48.9717, 46.9363, 74.0303



52.0268, 46.9363, 39.9346



40.5182, 46.9363, 33.4818

Rectangle

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



37.9366, 46.9363, 64.1869



43.3363, 46.9363, 78.0204



52.0268, 46.9363, 39.9346



45.9115, 46.9363, 31.2245

Sweetspot

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



37.9380, 46.9381, 64.1880



83.5237, 92.3494, 108.0308



33.3555, 48.7861, 28.7086



17.6316, 19.6004, 23.1039



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.



37.9380, 46.9381, 64.1880



58.4613, 74.3652, 105.8804



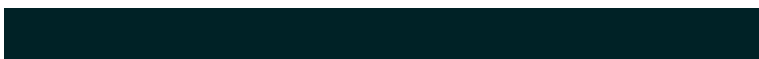
29.9066, 30.8754, 61.5109



11.4249, 12.4902, 14.3791



17.1422, 23.3084, 39.5518



0.9173, 1.2684, 2.0514

Inverse Universe

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



41.3571, 30.1666, 54.6839



64.9765, 43.5374, 87.5165



43.0075, 43.6235, 23.9239



11.6278, 11.3799, 13.8407



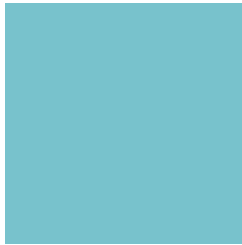
20.8635, 10.1560, 28.0636



1.0930, 0.5306, 1.5354

Previews

White Background



This preview shows how the XYZ color 37.9366, 46.9363, 64.1869 looks on a white background.

Color Contrast Check

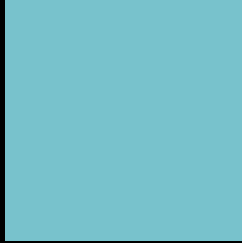
Large Text (above 18pt) WCAG AA × Fail

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 37.9366, 46.9363, 64.1869 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 37.9366, 46.9363, 64.1869

Background



This preview shows how black text looks on a background with the XYZ color 37.9366, 46.9363, 64.1869.



This preview shows how white text looks on a background with the XYZ color 37.9366, 46.9363,

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

37.9366, 46.9363, 64.1869

Protanopia

45.2276, 46.4064, 58.2033

Deuteranopia

47.6008, 46.5631, 66.1533



Tritanopia

38.4637, 46.8083, 67.3293

Trichromacy



Original Color

37.9366, 46.9363, 64.1869

Protanomaly

41.8401, 46.1461, 60.1280

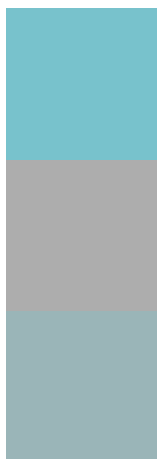
Deuteranomaly

43.3002, 46.1585, 65.6588

Tritanomaly

38.2176, 46.7099, 66.0331

Monochromacy



Original Color

37.9366, 46.9363, 64.1869

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5020, 43.3785, 51.6910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9366, 46.9363, 64.1869 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, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 194, 204)  
}
```

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, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.9366, 46.9363, 64.1869 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, 194, 204) }
```


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

```
.border{ border-color:rgb(120, 194, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9366, 46.9363, 64.1869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 194, 204) }
```

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

```
.background{ background-color: rgb(120,  
194, 204) }
```

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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