

Converting Colors

XYZ(37.5528, 48.1868, 59.5659)

Have a look what the booklet for
XYZ(37.5528, 48.1868, 59.5659)
contains.

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Color

**XYZ(37.4940, 48.1556,
59.5434)**

Conversions

Conversions Part 1

Format	Color
Hex	75C6C4
RGB	117, 198, 196
RGB Percent	46%, 78%, 77%
CMY	0.5412, 0.2235, 0.2314
CMYK	0.41, 0.00, 0.01, 0.22
HSL	179°, 42%, 62%
HSV	179°, 41%, 78%
XYZ	37.4940, 48.1556, 59.5434
YIQ	173.5530, -47.6340, -17.7940

Conversions

Conversions Part 2

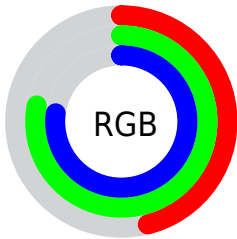
Format	Color
RYB	117, 158, 198
Decimal	7718596
CIELab	74.92, -25.21, -6.79
CIELCh	75, 26.107, 195.070
Yxy	48.1556, 0.2582, 0.3317
Android (android.graphics.Color)	4285908676 (0xFF75C6C4)
YUV	173.5530, 11.0664, -49.5970
Hunter-Lab	69.3942, -24.9956, -2.2975

Details

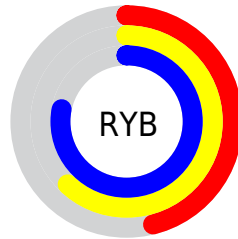
The XYZ color **37.4940, 48.1556, 59.5434** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.9814, 26.0616, 20.7466**, and the grayscale version is **39.9667, 42.0481, 45.7904**.

A 20% lighter version of the original color is **70.7232, 87.4961, 106.0894**, and **16.7802, 22.8916, 29.1253** is the 20% darker color. If you saturate the color by 10%, you get **35.0546, 46.9057, 59.1399**, and if you desaturate by 10%, it is **40.4990, 49.6995, 59.9764**.

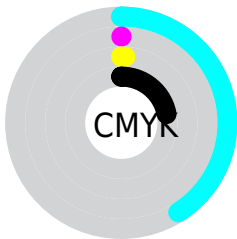
Distribution



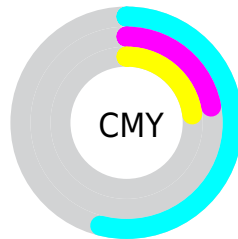
- Red (46%)
- Green (78%)
- Blue (77%)



- Red (46%)
- Yellow (62%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4940, 48.1556, 59.5434 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 37.4940, 48.1556, 59.5434 by changing the saturation by 10% instead.

■ 37.4940, 48.1556,
59.5434

■ 37.4940, 48.1556,
59.5434

326.7629,
379.4086, 440.6705

■ 25.7656, 33.9501,
42.6278

■ 70.6408, 87.4360,
105.7039

■ 16.7801, 22.8553,
29.2640

■ 92.7900, 113.2798,
135.7859

■ 10.1722, 14.4867,
19.0333

■ 119.1434,
143.7717, 171.0938

■ 5.5764, 8.4599,
11.5173

150.0666,
179.2963, 212.0461

■ 2.6275, 4.3906,
6.2974

185.9247,
220.2379, 259.0614

■ 0.9600, 1.8944,
2.9550

227.0833,

■ 0.0000, 0.5450,

266.9808, 312.5582

1.0717

273.9075,
319.9096, 372.9551

■ 0.0000, 0.0000,
0.0000

■ 37.4940, 48.1556,
59.5434

■ 37.4940, 48.1556,
59.5434

■ 35.0546, 46.9057,
59.1399

■ 40.4990, 49.6995,
59.9764

■ 33.1409, 45.9255,
58.7610

■ 44.0982, 51.5484,
60.4371

■ 31.7144, 45.1965,
58.4058

■ 48.3229, 53.7199,
60.9280

■ 30.7295, 44.6951,
58.0722

■ 53.2014, 56.2283,
61.4505

■ 30.1320, 44.3934,
57.7576

■ 58.7601, 59.0874,
62.0057

■ 29.8327, 44.2449,
57.4839

■ 65.0240, 62.3100,
62.5949

■ 71.7934, 65.7932,
63.2087

■ 71.8505, 65.8160,
63.5093

■ 71.9077, 65.8389,
63.8110

Harmonies

Analogous

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



37.4889, 48.1556, 45.9695



37.4940, 48.1556, 59.5434



39.6096, 48.1556, 73.2520

Triad

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



37.4940, 48.1556, 59.5434



52.5564, 48.1556, 73.1955



48.1678, 48.1556, 30.9760

Complementary

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



37.4940, 48.1556, 59.5434



32.9814, 26.0616, 20.7466

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.



52.5391, 48.1556, 35.9878



37.4940, 48.1556, 59.5434



55.1897, 48.1556, 59.4762

Square

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



37.4940, 48.1556, 59.5434



48.1901, 48.1556, 82.0144



55.1832, 48.1556, 45.9129



43.4332, 48.1556, 30.9876

Rectangle

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



37.4940, 48.1556, 59.5434



42.0221, 48.1556, 79.9568



55.1832, 48.1556, 45.9129



49.7353, 48.1556, 32.0848

Sweetspot

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



37.4954, 48.1575, 59.5445



84.5530, 94.6027, 107.7744



31.1106, 45.6461, 24.0015



17.8757, 20.1347, 23.0430



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.



37.4954, 48.1575, 59.5445



62.5303, 83.2925, 104.8034



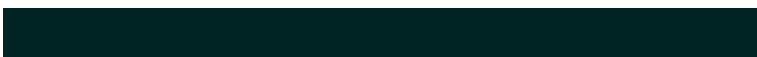
30.1361, 33.0717, 58.2233



10.9350, 12.0629, 13.6077



19.4052, 28.7744, 37.4078



0.9225, 1.3639, 1.7906

Inverse Universe

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



32.9814, 26.0616, 20.7466



53.4725, 38.9359, 26.9375



38.1894, 36.6680, 21.8955



10.6443, 10.6411, 11.1103



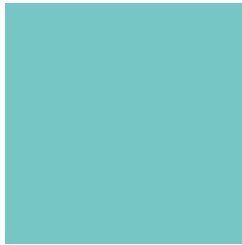
15.1673, 7.8165, 0.8252



0.7220, 0.3716, 0.0590

Previews

White Background



This preview shows how the XYZ color 37.4940, 48.1556, 59.5434 looks on a white background.

Color Contrast Check

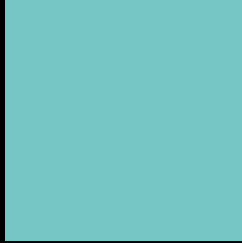
Large Text (above 18pt) WCAG AA × Fail

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 37.4940, 48.1556, 59.5434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

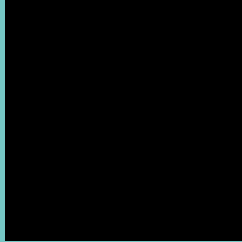
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4940, 48.1556, 59.5434

Background



This preview shows how black text looks on a background with the XYZ color 37.4940, 48.1556, 59.5434.

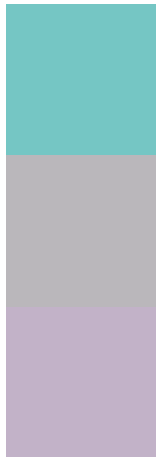


This preview shows how white text looks on a background with the XYZ color 37.4940, 48.1556,

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

37.4940, 48.1556, 59.5434

Protanopia

46.1528, 47.8939, 53.8256

Deuteranopia

48.5939, 47.4803, 61.2470



Tritanopia

39.3830, 48.2480, 68.8651

Trichromacy



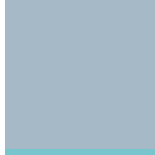
Original Color

37.4940, 48.1556, 59.5434



Protanomaly

41.9754, 47.2612, 55.6252



Deuteranomaly

43.3836, 46.9284, 60.8044



Tritanomaly

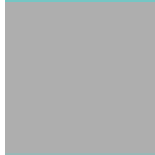
38.8526, 48.3818, 65.6834

Monochromacy



Original Color

37.4940, 48.1556, 59.5434



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.5139, 44.0167, 50.7221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4940, 48.1556, 59.5434 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(117, 198, 196)` looks like.

```
.text, #text, p{  
    color:rgb(117, 198, 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(117, 198, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 198, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.4940, 48.1556, 59.5434 is called "border". The border property can be set on classes, ids or directly on the HTML element.

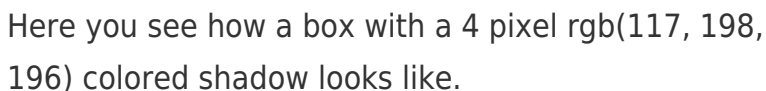
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 198, 196) }
```


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

```
.border{ border-color:rgb(117, 198, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 198, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 198, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 198, 196);  
box-shadow:4px 4px 4px 4px rgb(117, 198,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4940, 48.1556, 59.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 198, 196) }
```

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

```
.background{ background-color: rgb(117,  
198, 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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