

Converting Colors

XYZ(37.3764, 44.8797, 55.4167)

Have a look what the booklet for
XYZ(37.3764, 44.8797, 55.4167)
contains.

XYZ(37.4308, 44.9184, 55.4125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.4308, 44.9184,
55.4125)**

Conversions

Conversions Part 1

Format	Color
Hex	88BCBE
RGB	136, 188, 190
RGB Percent	53%, 74%, 75%
CMY	0.4667, 0.2627, 0.2549
CMYK	0.28, 0.01, 0.00, 0.25
HSL	182°, 29%, 64%
HSV	182°, 28%, 75%
XYZ	37.4308, 44.9184, 55.4125
YIQ	172.6800, -31.6340, -10.4020

Conversions

Conversions Part 2

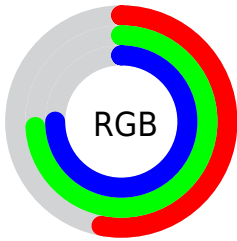
Format	Color
RYB	136, 162, 190
Decimal	8961214
CIELab	72.84, -16.43, -6.51
CIELCh	73, 17.671, 201.613
Yxy	44.9184, 0.2717, 0.3261
Android (android.graphics.Color)	4287151294 (0xFF88BCBE)
YUV	172.6800, 8.5388, -32.1684
Hunter-Lab	67.0212, -17.5963, -2.1056

Details

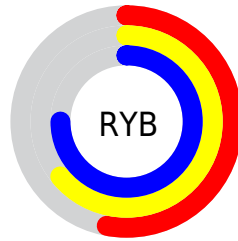
The XYZ color **37.4308, 44.9184, 55.4125** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7681, 30.9019, 27.4256**, and the grayscale version is **39.5281, 41.5866, 45.2878**.

A 20% lighter version of the original color is **70.4711, 82.4316, 99.3854**, and **16.8355, 21.0189, 26.8366** is the 20% darker color. If you saturate the color by 10%, you get **34.4650, 43.1682, 55.2317**, and if you desaturate by 10%, it is **40.9470, 46.9556, 55.6212**.

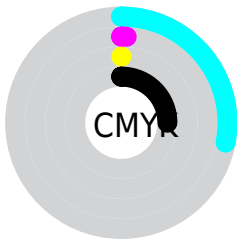
Distribution



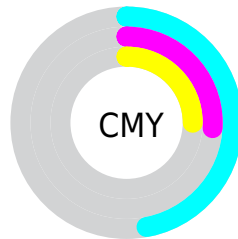
- Red (53%)
- Green (74%)
- Blue (75%)



- Red (53%)
- Yellow (64%)
- Blue (75%)



- Cyan (28%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (47%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4308, 44.9184, 55.4125 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 37.4308, 44.9184, 55.4125 by changing the saturation by 10% instead.

 37.4308, 44.9184,
55.4125


 37.4308, 44.9184,
55.4125


326.4951,
366.4430, 424.7996

 25.7164, 31.3932,
39.3313

 70.5444, 82.5979,
99.6223

 16.7432, 20.8984,
26.7077


 92.6743, 107.5210,
128.5879

 10.1457, 13.0498,
17.1233


 119.0068,
137.0122, 162.6853

 5.5587, 7.4628,
10.1596

149.9072,
171.4559, 202.3332

 2.6167, 3.7532,
5.3979

185.7409,
211.2364, 247.9501

 0.9545, 1.5365,
2.4198

226.8732,

 0.0000, 0.3142,

256.7381, 299.9544

0.7972

273.6695,
308.3455, 358.7647

■ 0.0000, 0.0000,
0.0000

■ 37.4308, 44.9184,
55.4125

■ 37.4308, 44.9184,
55.4125

■ 34.4650, 43.1682,
55.2317

■ 40.9470, 46.9556,
55.6212

■ 32.0168, 41.6848,
55.0745

■ 45.0363, 49.2883,
55.8559

■ 30.0558, 40.4537,
54.9402

■ 49.7252, 51.9312,
56.1189

■ 28.5472, 39.4569,
54.8273

■ 55.0371, 54.8963,
56.4112

■ 27.4512, 38.6738,
54.7339

■ 60.9943, 58.1952,
56.7340

■ 26.7215, 38.0807,
54.6579

■ 67.6180, 61.8387,
57.0882

■ 26.2827, 37.6386,
54.5957

■ 69.5875, 63.0840,
57.2247

■ 26.2222, 37.5734,
54.5863

■ 69.7432, 63.3954,
57.2766

■ 69.8996, 63.7082,
57.3287

Harmonies

Analogous

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



37.1089, 44.9184, 46.4808



37.4308, 44.9184, 55.4125



39.1274, 44.9184, 63.4134

Triad

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



37.4308, 44.9184, 55.4125



47.4963, 44.9184, 60.1913



43.5615, 44.9184, 34.0003

Complementary

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



37.4308, 44.9184, 55.4125



34.7681, 30.9019, 27.4256

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.



46.4702, 44.9184, 36.8035



37.4308, 44.9184, 55.4125



48.8122, 44.9184, 51.4193

Square

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



37.4308, 44.9184, 55.4125



44.9080, 44.9184, 66.3947



48.4279, 44.9184, 42.9345



40.5532, 44.9184, 34.7984

Rectangle

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



37.4308, 44.9184, 55.4125



40.8562, 44.9184, 66.7952



48.4279, 44.9184, 42.9345



44.5853, 44.9184, 34.5392

Sweetspot

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



37.4321, 44.9202, 55.4135



81.0377, 88.9911, 101.1850



33.1406, 43.8912, 30.6949



17.5430, 19.3985, 22.2050



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.4321, 44.9202, 55.4135



64.4209, 79.3953, 100.2086



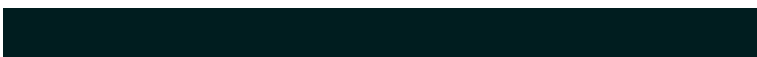
32.2283, 34.5125, 53.6789



9.7775, 10.7473, 12.2313



17.4492, 25.0102, 36.3007



0.6930, 0.9987, 1.4251

Inverse Universe

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



39.1175, 32.1873, 51.7301



67.9886, 52.6676, 92.3607



39.0990, 39.5638, 28.8692



9.9143, 9.6900, 11.9377



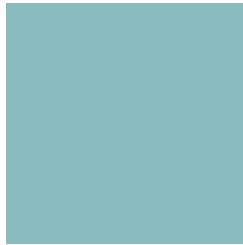
19.8083, 9.5545, 30.6140



0.7807, 0.3762, 1.2244

Previews

White Background



This preview shows how the XYZ color 37.4308, 44.9184, 55.4125 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 37.4308, 44.9184, 55.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

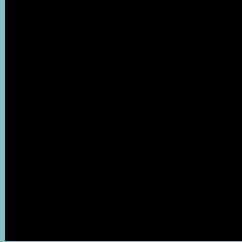
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4308, 44.9184, 55.4125

Background



This preview shows how black text looks on a background with the XYZ color 37.4308, 44.9184, 55.4125.



This preview shows how white text looks on a background with the XYZ color 37.4308, 44.9184,

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

37.4308, 44.9184, 55.4125

Protanopia

43.0918, 44.5665, 51.1308

Deuteranopia

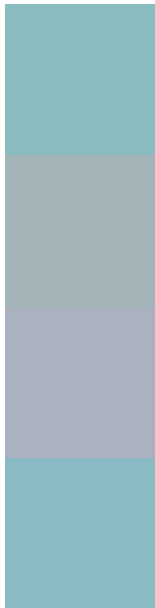
45.5555, 44.5562, 56.6513



Tritanopia

38.7490, 44.8238, 61.8679

Trichromacy



Original Color

37.4308, 44.9184, 55.4125

Protanomaly

40.6966, 44.4854, 52.8960

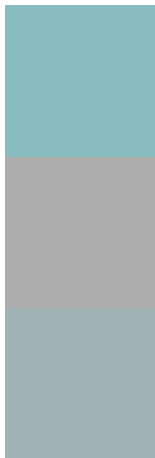
Deuteranomaly

42.0124, 44.1926, 56.1849

Tritanomaly

38.3296, 44.9751, 59.4842

Monochromacy



Original Color

37.4308, 44.9184, 55.4125

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5543, 42.5690, 48.8324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4308, 44.9184, 55.4125 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(136, 188, 190)` looks like.

```
.text, #text, p{  
    color:rgb(136, 188, 190)  
}
```

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(136, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 188, 190) }
```

Border

The CSS property to change the border of an element to XYZ 37.4308, 44.9184, 55.4125 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(136, 188, 190) }
```


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

```
.border{ border-color:rgb(136, 188, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 188, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(136, 188,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4308, 44.9184, 55.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 188, 190) }
```

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

```
.background{ background-color: rgb(136,  
188, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor