

Converting Colors

XYZ(37.0176, 44.7490, 58.5106)

Have a look what the booklet for
XYZ(37.0176, 44.7490, 58.5106)
contains.

XYZ(36.8868, 44.5737, 58.2892)	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(36.8868, 44.5737,
58.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	81BCC3
RGB	129, 188, 195
RGB Percent	51%, 74%, 76%
CMY	0.4941, 0.2627, 0.2353
CMYK	0.34, 0.04, 0.00, 0.24
HSL	186°, 35%, 64%
HSV	186°, 34%, 76%
XYZ	36.8868, 44.5737, 58.2892
YIQ	171.1570, -37.4110, -10.3310

Conversions

Conversions Part 2

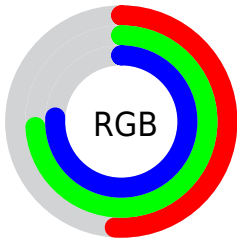
Format	Color
RYB	129, 160, 195
Decimal	8502467
CIELab	72.61, -17.23, -9.62
CIElCh	73, 19.734, 209.171
Yxy	44.5737, 0.2639, 0.3190
Android (android.graphics.Color)	4286692547 (0xFF81BCC3)
YUV	171.1570, 11.7546, -36.9717
Hunter-Lab	66.7635, -18.2151, -5.0298

Details

The XYZ color **36.8868, 44.5737, 58.2892** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2729, 30.7958, 24.8550**, and the grayscale version is **38.7449, 40.7626, 44.3905**.

A 20% lighter version of the original color is **69.6885, 81.9200, 104.2346**, and **16.4522, 20.7875, 28.3446** is the 20% darker color. If you saturate the color by 10%, you get **33.7646, 42.3142, 58.0184**, and if you desaturate by 10%, it is **40.5833, 47.1408, 58.5906**.

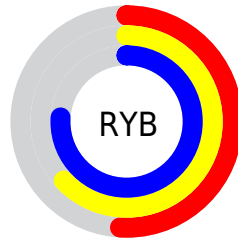
Distribution



Red (51%)

Green (74%)

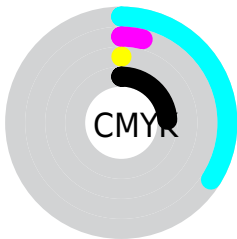
Blue (76%)



Red (51%)

Yellow (63%)

Blue (76%)

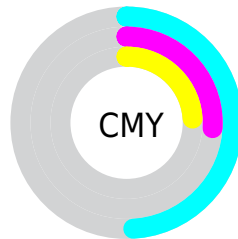


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (49%)

Magenta (26%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8868, 44.5737, 58.2892 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 36.8868, 44.5737, 58.2892 by changing the saturation by 10% instead.

■ 36.8868, 44.5737,
58.2892

■ 36.8868, 44.5737,
58.2892

324.1842,
365.0443, 435.8910

■ 25.2931, 31.1218,
41.6250

■ 69.7136, 82.0803,
103.8628

■ 16.4255, 20.6916,
28.4844

■ 91.6775, 106.9038,
133.6093

■ 9.9185, 12.8988,
18.4489

■ 117.8288,
136.2866, 168.5535

■ 5.4068, 7.3589,
11.1000

148.5328,
170.6132, 209.1142

■ 2.5251, 3.6875,
6.0191

184.1551,
210.2678, 255.7097

■ 0.9079, 1.5004,
2.7877

225.0608,

■ 0.0000, 0.2890,

255.6349, 308.7586

0.9873

271.6154,
307.0990, 368.6796

■ 0.0000, 0.0000,
0.0000

■ 36.8868, 44.5737,
58.2892

■ 36.8868, 44.5737,
58.2892

■ 33.7646, 42.3142,
58.0184

■ 40.5833, 47.1408,
58.5906

■ 31.1803, 40.3403,
57.7736

■ 44.8797, 50.0256,
58.9210

■ 29.0998, 38.6354,
57.5542

■ 49.8051, 53.2440,
59.2826

■ 27.4833, 37.1789,
57.3582

■ 55.3853, 56.8096,
59.6767

■ 26.2847, 35.9472,
57.1837

■ 61.6449, 60.7349,
60.1045

■ 25.4487, 34.9116,
57.0278

■ 68.6069, 65.0320,
60.5670

■ 25.0495, 34.3382,
56.9382

■ 72.3230, 67.6653,
60.8794

■ 72.8129, 68.6451,
61.0427

■ 73.3094, 69.6380,
61.2082

Harmonies

Analogous

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



36.1332, 44.5737, 48.2615



36.8868, 44.5737, 58.2892



39.0889, 44.5737, 66.5401

Triad

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



36.8868, 44.5737, 58.2892



48.2588, 44.5737, 58.8234



42.4611, 44.5737, 32.0524

Complementary

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



36.8868, 44.5737, 58.2892



35.2729, 30.7958, 24.8550

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.



45.8212, 44.5737, 34.1087



36.8868, 44.5737, 58.2892



49.2772, 44.5737, 48.8058

Square

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



36.8868, 44.5737, 58.2892



45.6480, 44.5737, 66.8766



48.3625, 44.5737, 39.9314



39.2451, 44.5737, 33.8941

Rectangle

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



36.8868, 44.5737, 58.2892



41.1441, 44.5737, 69.4478



48.3625, 44.5737, 39.9314



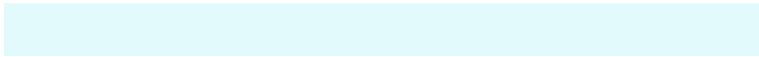
43.6118, 44.5737, 32.3056

Sweetspot

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



36.8881, 44.5755, 58.2902



83.5006, 91.6515, 105.7593



32.9848, 45.4644, 30.1818



18.0162, 19.8937, 23.1403



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.



36.8881, 44.5755, 58.2902



61.6228, 76.6337, 104.0137



30.6926, 32.1843, 56.2250



10.2744, 11.2401, 12.9129



16.3174, 22.3914, 37.0186



0.7317, 1.0208, 1.6084

Inverse Universe

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



39.4341, 30.9345, 51.4715



66.9952, 48.6365, 89.4487



40.5827, 41.4154, 26.6249



10.4498, 10.2285, 12.4591



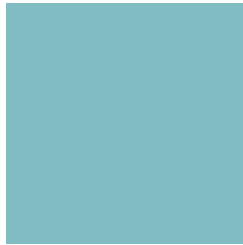
19.6323, 9.5427, 27.0393



0.8617, 0.4177, 1.2392

Previews

White Background



This preview shows how the XYZ color 36.8868, 44.5737, 58.2892 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 36.8868, 44.5737, 58.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

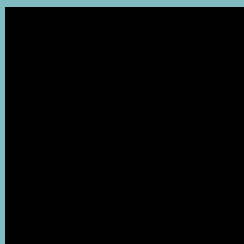
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

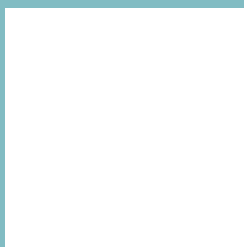
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8868, 44.5737, 58.2892

Background



This preview shows how black text looks on a background with the XYZ color 36.8868, 44.5737, 58.2892.



This preview shows how white text looks on a background with the XYZ color 36.8868, 44.5737,

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

36.8868, 44.5737, 58.2892

Protanopia

42.9625, 44.1465, 53.8337

Deuteranopia

45.1442, 44.2786, 59.5934



Tritanopia

37.7911, 44.6302, 62.4998

Trichromacy



Original Color

36.8868, 44.5737, 58.2892

Protanomaly

40.2224, 43.8777, 55.6395

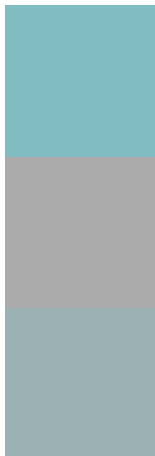
Deuteranomaly

41.5155, 43.8713, 59.1032

Tritanomaly

37.2850, 44.4100, 60.6397

Monochromacy



Original Color

36.8868, 44.5737, 58.2892

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.6707, 41.8075, 49.2642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8868, 44.5737, 58.2892 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(129, 188, 195)` looks like.

```
.text, #text, p{  
    color:rgb(129, 188, 195)  
}
```

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(129, 188, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 188, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.8868, 44.5737, 58.2892 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(129, 188, 195) }
```


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

```
.border{ border-color:rgb(129, 188, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 188, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 188, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 188, 195); box-shadow:4px 4px 4px 4px rgb(129, 188, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8868, 44.5737, 58.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 188, 195) }
```

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

```
.background{ background-color: rgb(129,  
188, 195) }
```

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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