

Converting Colors

XYZ(37.5098, 58.9868, 42.3511)

Have a look what the booklet for
XYZ(37.5098, 58.9868, 42.3511)
contains.

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Color

**XYZ(37.4789, 58.9706,
42.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	58E29F
RGB	88, 226, 159
RGB Percent	35%, 89%, 62%
CMY	0.6549, 0.1137, 0.3765
CMYK	0.61, 0.00, 0.30, 0.11
HSL	151°, 70%, 62%
HSV	151°, 61%, 89%
XYZ	37.4789, 58.9706, 42.2080
YIQ	177.1000, -60.7410, -50.0930

Conversions

Conversions Part 2

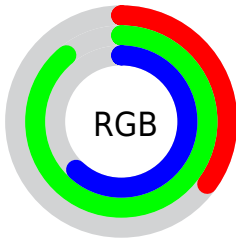
Format	Color
RYB	88, 179, 226
Decimal	5825183
CIELab	81.28, -52.64, 21.89
CIElCh	81, 57.009, 157.422
Yxy	58.9706, 0.2703, 0.4253
Android (android.graphics.Color)	4284015263 (0xFF58E29F)
YUV	177.1000, -8.9233, -78.1407
Hunter-Lab	76.7923, -47.2687, 21.1666

Details

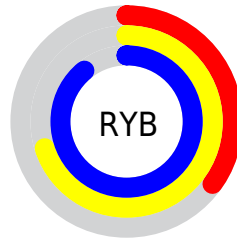
The XYZ color **37.4789, 58.9706, 42.2080** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **40.7721, 25.5162, 33.7890**, and the grayscale version is **41.9122, 44.0949, 48.0193**.

A 20% lighter version of the original color is **60.2920, 82.7646, 76.4158**, and **17.0286, 29.8110, 18.7665** is the 20% darker color. If you saturate the color by 10%, you get **34.7518, 57.6715, 37.3292**, and if you desaturate by 10%, it is **40.9566, 60.6500, 47.5658**.

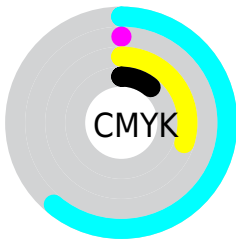
Distribution



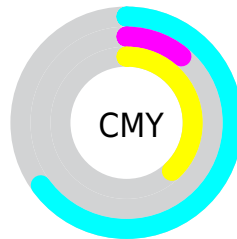
- Red (35%)
- Green (89%)
- Blue (62%)



- Red (35%)
- Yellow (70%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4789, 58.9706, 42.2080 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 37.4789, 58.9706, 42.2080 by changing the saturation by 10% instead.

 37.4789, 58.9706,
42.2080


 37.4789, 58.9706,
42.2080


326.6989,
420.7930, 371.1695


 25.7539, 42.5895,
28.9374


 70.6178, 103.3349,
79.7878


 16.7713, 29.5631,
18.7883


 92.7624, 132.0869,
104.9341

 10.1659, 19.5072,
11.3422

 119.1108,
165.7313, 134.8761

 5.5722, 12.0374,
6.1804

 150.0285,
204.6525, 170.0322

 2.6249, 6.7691,
2.8845

185.8808,
249.2348, 210.8211

 0.9587, 3.3181,
1.0360

227.0331,

 0.0000, 1.3000,

299.8627, 257.6612

0.0000

273.8507,
356.9207, 310.9712

■ 0.0000, 0.1412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4789, 58.9706,
42.2080

■ 37.4789, 58.9706,
42.2080

■ 34.7518, 57.6715,
37.3292

■ 40.9566, 60.6500,
47.5658

■ 32.7048, 56.7119,
32.9109


■ 45.2378, 62.7321,
53.4123


■ 31.2613, 56.0542,
28.9388


■ 50.3757, 65.2455,
59.7618


■ 30.3658, 55.6622,
25.7503

■ 56.4175, 68.2145,
66.6268

 63.4069, 71.6613,
74.0193

 71.3847, 75.6067,
81.9507

 80.3890, 80.0702,
90.4324

 85.1928, 82.3570,
99.2286

 86.4874, 82.8748,
106.0458

Harmonies

Analogous

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



43.2730, 58.9706, 24.9832



37.4789, 58.9706, 42.2080



36.2981, 58.9706, 73.0438

Triad

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



37.4789, 58.9706, 42.2080



59.0553, 58.9706, 153.4806



76.2379, 58.9706, 32.0730

Complementary

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



37.4789, 58.9706, 42.2080



40.7721, 25.5162, 33.7890

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.



81.9147, 58.9706, 56.1169



37.4789, 58.9706, 42.2080



71.1224, 58.9706, 131.5098

Square

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



37.4789, 58.9706, 42.2080



47.7222, 58.9706, 145.6279



79.9212, 58.9706, 92.7715



65.2938, 58.9706, 20.7410

Rectangle

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



37.4789, 58.9706, 42.2080



38.1068, 58.9706, 99.3304



79.9212, 58.9706, 92.7715



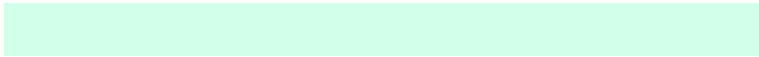
78.8911, 58.9706, 38.5286

Sweetspot

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



37.4805, 58.9730, 42.2094



76.7500, 90.9568, 90.3885



42.8644, 62.2679, 18.9931



15.8795, 19.1985, 18.7529



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.



37.4805, 58.9730, 42.2094



44.9606, 75.4825, 47.6164



44.9503, 61.9609, 81.5448



13.8217, 15.4544, 16.0963



17.3833, 31.7782, 15.0076



1.2501, 2.2208, 1.2783

Inverse Universe

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



40.7721, 25.5162, 33.7890



49.6369, 28.0090, 35.6955



36.6169, 23.8541, 11.9077



13.9831, 13.8109, 15.6813



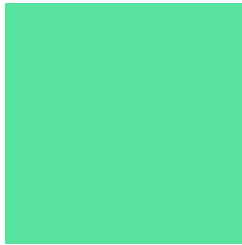
19.5499, 9.8870, 9.5616



1.4002, 0.7034, 0.9003

Previews

White Background



This preview shows how the XYZ color 37.4789, 58.9706, 42.2080 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 37.4789, 58.9706, 42.2080 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

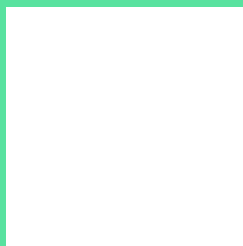
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4789, 58.9706, 42.2080

Background



This preview shows how black text looks on a background with the XYZ color 37.4789, 58.9706, 42.2080.

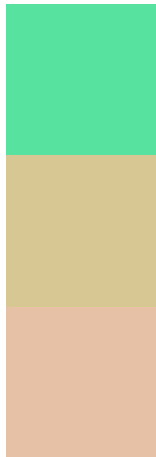


This preview shows how white text looks on a background with the XYZ color 37.4789, 58.9706,

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

37.4789, 58.9706, 42.2080

Protanopia

53.9451, 57.8622, 35.9291

Deuteranopia

58.9079, 57.8820, 44.1440



Tritanopia

46.2172, 58.5630, 86.7098

Trichromacy



Original Color

37.4789, 58.9706, 42.2080



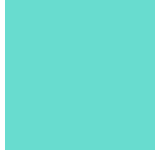
Protanomaly

44.7486, 56.2703, 37.7809



Deuteranomaly

47.0326, 55.8907, 42.9594



Tritanomaly

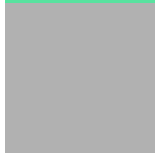
42.5646, 58.6344, 68.1057

Monochromacy



Original Color

37.4789, 58.9706, 42.2080



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.4479, 47.9522, 45.2595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4789, 58.9706, 42.2080 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(88, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(88, 226, 159)  
}
```

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(88, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 226, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.4789, 58.9706, 42.2080 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(88, 226, 159) }
```


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

```
.border{ border-color:rgb(88, 226, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 226, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 226, 159);  
box-shadow:4px 4px 4px 4px rgb(88, 226,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4789, 58.9706, 42.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 226, 159) }
```

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

```
.background{ background-color: rgb(88, 226,  
159) }
```

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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