

Converting Colors

XYZ(37.4559, 58.4168, 46.3560)

Have a look what the booklet for
XYZ(37.4559, 58.4168, 46.3560)
contains.

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Color

**XYZ(37.4728, 58.4714,
46.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	52E1A8
RGB	82, 225, 168
RGB Percent	32%, 88%, 66%
CMY	0.6784, 0.1176, 0.3412
CMYK	0.64, 0.00, 0.25, 0.12
HSL	156°, 70%, 60%
HSV	156°, 64%, 88%
XYZ	37.4728, 58.4714, 46.3569
YIQ	175.7450, -66.9310, -48.0430

Conversions

Conversions Part 2

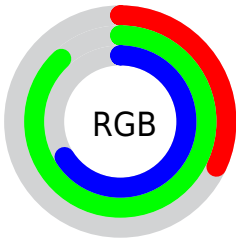
Format	Color
RYB	82, 171, 225
Decimal	5431720
CIELab	81.00, -51.47, 16.78
CIELCh	81, 54.140, 161.940
Yxy	58.4714, 0.2633, 0.4109
Android (android.graphics.Color)	4283621800 (0xFF52E1A8)
YUV	175.7450, -3.8183, -82.2144
Hunter-Lab	76.4666, -46.3418, 17.5828

Details

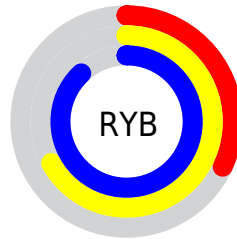
The XYZ color **37.4728, 58.4714, 46.3569** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **38.7308, 23.9077, 27.0018**, and the grayscale version is **41.1797, 43.3243, 47.1801**.

A 20% lighter version of the original color is **60.7563, 82.8675, 82.6049**, and **17.3404, 29.6369, 21.3296** is the 20% darker color. If you saturate the color by 10%, you get **35.0208, 57.3021, 42.0306**, and if you desaturate by 10%, it is **40.6269, 59.9990, 51.0196**.

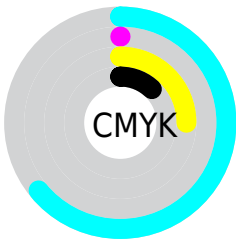
Distribution



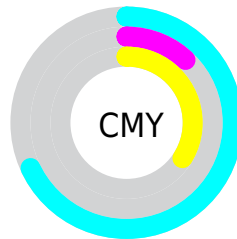
- Red (32%)
- Green (88%)
- Blue (66%)



- Red (32%)
- Yellow (67%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4728, 58.4714, 46.3569 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 37.4728, 58.4714, 46.3569 by changing the saturation by 10% instead.


 37.4728, 58.4714,
46.3569


 37.4728, 58.4714,
46.3569


326.6731,
418.9402, 388.5608

 25.7491, 42.1877,
32.1769


 70.6085, 102.6090,
86.0928


 16.7677, 29.2483,
21.2307


 92.7512, 131.2317,
112.4857

 10.1633, 19.2688,
13.0998


 119.0976,
164.7363, 143.7866

 5.5705, 11.8646,
7.3658

 150.0131,
203.5071, 180.4142

 2.6239, 6.6516,
3.6100

185.8631,
247.9285, 222.7868

 0.9581, 3.2452,
1.4139

227.0128,

 0.0000, 1.2610,

298.3848, 271.3231

0.1525

273.8277,
355.2606, 326.4416

■ 0.0000, 0.1107,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4728, 58.4714,
46.3569

■ 37.4728, 58.4714,
46.3569

■ 35.0208, 57.3021,
42.0306

■ 40.6269, 59.9990,
51.0196

■ 33.1995, 56.4499,
38.0274


■ 44.5360, 61.9075,
56.0230


■ 31.9300, 55.8758,
34.3386


■ 49.2532, 64.2257,
61.3767


■ 31.3215, 55.6106,
32.1208


■ 54.8253, 66.9776,
67.0884

 61.2954, 70.1852,
73.1655

 68.7037, 73.8693,
79.6152

 77.0878, 78.0490,
86.4442

 83.8579, 81.3891,
93.5365

 85.2219, 81.9347,
100.7195

Harmonies

Analogous

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



42.3587, 58.4714, 27.8594



37.4728, 58.4714, 46.3569



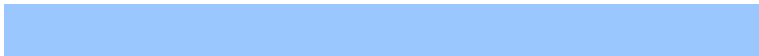
37.0160, 58.4714, 77.3337

Triad

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



37.4728, 58.4714, 46.3569



60.1628, 58.4714, 145.3399



73.2308, 58.4714, 30.6370

Complementary

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



37.4728, 58.4714, 46.3569



38.7308, 23.9077, 27.0018

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.



79.4865, 58.4714, 51.7108



37.4728, 58.4714, 46.3569



71.2895, 58.4714, 121.6211

Square

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



37.4728, 58.4714, 46.3569



49.1475, 58.4714, 142.3982



78.7317, 58.4714, 84.8212



62.5404, 58.4714, 21.1175

Rectangle

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



37.4728, 58.4714, 46.3569



39.1940, 58.4714, 102.2978



78.7317, 58.4714, 84.8212



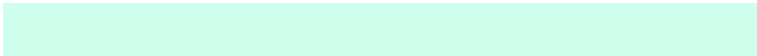
75.9829, 58.4714, 36.2372

Sweetspot

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



37.4744, 58.4737, 46.3583



76.4615, 90.7586, 92.6069



39.1310, 59.9683, 17.4962



15.8514, 19.1712, 19.3302



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.



37.4744, 58.4737, 46.3583



45.7074, 75.7227, 54.1940



40.2919, 53.6720, 79.4730



13.8731, 15.4750, 16.3672



18.1074, 32.0678, 18.8203



1.2989, 2.2403, 1.5353

Inverse Universe

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



38.7308, 23.9077, 27.0018



47.5397, 26.4670, 26.8196



36.7864, 25.0388, 10.8777



13.9324, 13.7906, 15.4144



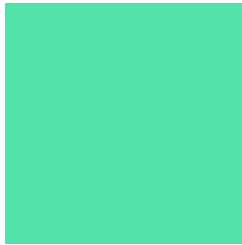
19.0030, 9.6682, 6.6815



1.3605, 0.6875, 0.6912

Previews

White Background



This preview shows how the XYZ color 37.4728, 58.4714, 46.3569 looks on a white background.

Color Contrast Check

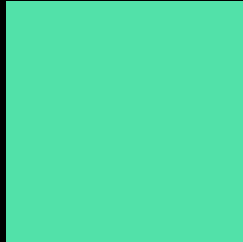
Large Text (above 18pt) WCAG AA × Fail

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 37.4728, 58.4714, 46.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

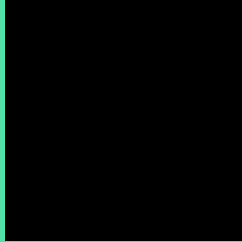
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4728, 58.4714, 46.3569

Background



This preview shows how black text looks on a background with the XYZ color 37.4728, 58.4714, 46.3569.

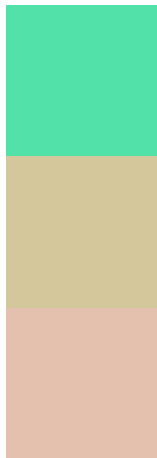


This preview shows how white text looks on a background with the XYZ color 37.4728, 58.4714,

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

37.4728, 58.4714, 46.3569

Protanopia

53.8647, 57.3933, 39.6915

Deuteranopia

58.5824, 57.2884, 48.5276



Tritanopia

45.3510, 58.1164, 86.6692

Trichromacy



Original Color

37.4728, 58.4714, 46.3569



Protanomaly

44.4181, 55.6491, 41.6580



Deuteranomaly

46.7185, 55.2782, 47.2372



Tritanomaly

41.8941, 57.8576, 69.9323

Monochromacy



Original Color

37.4728, 58.4714, 46.3569



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.9899, 47.3515, 46.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4728, 58.4714, 46.3569 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(82, 225, 168)` looks like.

```
.text, #text, p{  
    color:rgb(82, 225, 168)  
}
```

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(82, 225, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 225, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.4728, 58.4714, 46.3569 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(82, 225, 168) }
```


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

```
.border{ border-color:rgb(82, 225, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 225, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 225, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 225, 168);  
box-shadow:4px 4px 4px 4px rgb(82, 225,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4728, 58.4714, 46.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 225, 168) }
```

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

```
.background{ background-color: rgb(82, 225,  
168) }
```

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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