

Converting Colors

XYZ(21.1988, 38.5812, 10.2560)

Have a look what the booklet for
XYZ(21.1988, 38.5812, 10.2560)
contains.

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Color

**XYZ(21.1142, 38.4566,
10.1809)**

Conversions

Conversions Part 1

Format	Color
Hex	3ABF39
RGB	58, 191, 57
RGB Percent	23%, 75%, 22%
CMY	0.7726, 0.2510, 0.7765
CMYK	0.70, 0.00, 0.70, 0.25
HSL	120°, 54%, 49%
HSV	120°, 70%, 75%
XYZ	21.1142, 38.4566, 10.1809
YIQ	135.9570, -36.2540, -69.8700

Conversions

Conversions Part 2

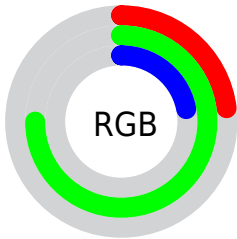
Format	Color
RYB	57, 191, 190
Decimal	3850041
CIELab	68.36, -60.78, 54.66
CIELCh	68, 81.749, 138.034
Yxy	38.4566, 0.3027, 0.5513
Android (android.graphics.Color)	4282040121 (0xFF3ABF39)
YUV	135.9570, -38.9258, -68.3683
Hunter-Lab	62.0134, -47.7481, 33.6756

Details

The XYZ color **21.1142, 38.4566, 10.1809** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **32.1052, 17.6368, 51.0045**, and the grayscale version is **23.5373, 24.7631, 26.9670**.

A 20% lighter version of the original color is **44.9133, 73.1100, 26.7834**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.8182, 37.8347, 8.0839**, and if you desaturate by 10%, it is **22.9969, 39.3625, 13.2423**.

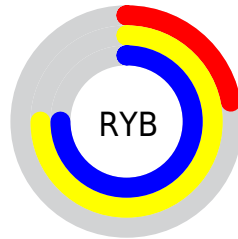
Distribution



Red (23%)

Green (75%)

Blue (22%)



Red (22%)

Yellow (75%)

Blue (75%)

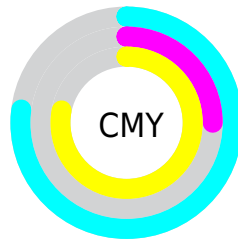


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (25%)



Cyan (77%)

Magenta (25%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1142, 38.4566, 10.1809 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 21.1142, 38.4566, 10.1809 by changing the saturation by 10% instead.

■ 21.1142, 38.4566,
10.1809

■ 21.1142, 38.4566,
10.1809

250.6050,
339.5746, 202.4899

■ 13.3204, 26.3373,
5.4119

■ 44.7674, 72.8074,
26.7483

■ 7.7281, 17.0761,
2.4280

■ 61.3575, 95.8077,
39.3838

■ 3.9718, 10.2888,
0.8016

■ 81.6104, 123.2038,
55.4786

■ 1.6862, 5.5908,
0.0000

■ 105.8915,
155.3801, 75.4511

■ 0.4476, 2.5979,
0.0000

■ 134.5662,
192.7209, 99.7199

■ 0.0000, 0.9256,
0.0000

167.9998,

■ 0.0000, 0.0000,

235.6106, 128.7037

0.0000

206.5576,
284.4338, 162.8208

■ 21.1142, 38.4566,
10.1809

■ 21.1142, 38.4566,
10.1809

■ 19.8182, 37.8347,
8.0839

■ 22.9969, 39.3625,
13.2423

■ 19.0377, 37.4592,
6.8343

■ 25.5216, 40.5755,
17.3621

■ 18.6494, 37.2724,
6.2114

■ 28.7401, 42.1215,
22.6264

■ 32.6983, 44.0226,
29.1114

■ 37.4383, 46.2989,
36.8870

■ 42.9988, 48.9692,
46.0177

■ 49.4162, 52.0506,
56.5636

■ 56.7243, 55.5597,
68.5814

■ 64.9556, 59.5119,
82.1246

Harmonies

Analogous

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



29.4383, 38.4566, 4.2246



21.1142, 38.4566, 10.1809



17.3493, 38.4566, 28.8735

Triad

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



21.1142, 38.4566, 10.1809



31.6749, 38.4566, 155.8885



65.3636, 38.4566, 23.5968

Complementary

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



21.1142, 38.4566, 10.1809



32.1052, 17.6368, 51.0045

Split Complementary

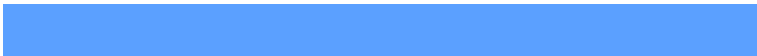
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.3639, 38.4566, 58.2838



21.1142, 38.4566, 10.1809



44.7279, 38.4566, 151.2874

Square

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



21.1142, 38.4566, 10.1809



22.4203, 38.4566, 119.3703



58.1185, 38.4566, 109.0560



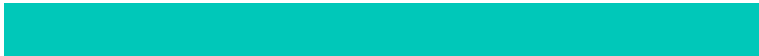
55.6404, 38.4566, 8.2576

Rectangle

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



21.1142, 38.4566, 10.1809



17.1712, 38.4566, 52.5366



58.1185, 38.4566, 109.0560



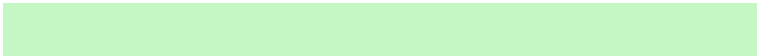
66.8020, 38.4566, 32.7593

Sweetspot

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



21.1151, 38.4582, 10.1818



65.9752, 82.4022, 64.2990



40.3737, 47.6688, 10.9445



13.9452, 17.8343, 13.2295



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.



21.1151, 38.4582, 10.1818



34.6629, 67.3600, 13.1447



23.8179, 39.5327, 24.7132



9.4152, 10.6529, 10.1366



12.2586, 24.4954, 4.0820



0.4824, 0.9607, 0.1600

Inverse Universe

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



32.1052, 17.6368, 51.0045



55.5258, 27.7843, 90.7155



26.7314, 15.5160, 21.4051



9.9228, 9.6926, 12.0201



20.0705, 9.6328, 33.1944



0.7885, 0.3785, 1.3004

Previews

White Background



This preview shows how the XYZ color 21.1142, 38.4566, 10.1809 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 21.1142, 38.4566, 10.1809 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 21.1142, 38.4566, 10.1809

Background



This preview shows how black text looks on a background with the XYZ color 21.1142, 38.4566, 10.1809.



This preview shows how white text looks on a background with the XYZ color 21.1142, 38.4566,

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

21.1142, 38.4566, 10.1809

Protanopia

34.2195, 37.8170, 8.5135

Deuteranopia

38.3080, 37.5227, 10.8538



Tritanopia

30.1621, 38.0707, 56.2108

Trichromacy



Original Color

21.1142, 38.4566, 10.1809



Protanomaly

26.6200, 36.4060, 8.9922



Deuteranomaly

28.0910, 35.4330, 10.3597



Tritanomaly

25.3609, 37.6299, 32.3122

Monochromacy



Original Color

21.1142, 38.4566, 10.1809



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.7267, 28.0266, 18.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1142, 38.4566, 10.1809 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(58, 191, 57)` looks like.

```
.text, #text, p{  
    color:rgb(58, 191, 57)  
}
```

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(58, 191, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 191, 57) }
```

Border

The CSS property to change the border of an element to XYZ 21.1142, 38.4566, 10.1809 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(58, 191, 57) }
```


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

```
.border{ border-color:rgb(58, 191, 57) }
```

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

Here you see how a box with a 4 pixel rgb(58, 191, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 191, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 191, 57);  
box-shadow:4px 4px 4px 4px rgb(58, 191,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1142, 38.4566, 10.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 191, 57) }
```

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

```
.background{ background-color: rgb(58, 191,  
57) }
```

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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