

Converting Colors

XYZ(21.1042, 36.4184, 8.6820)

Have a look what the booklet for
XYZ(21.1042, 36.4184, 8.6820)
contains.

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Color

**XYZ(21.1907, 36.6168,
8.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	50B930
RGB	80, 185, 48
RGB Percent	31%, 73%, 19%
CMY	0.6863, 0.2745, 0.8117
CMYK	0.57, 0.00, 0.74, 0.27
HSL	106°, 59%, 46%
HSV	106°, 74%, 73%
XYZ	21.1907, 36.6168, 8.7472
YIQ	137.9870, -18.6030, -64.8670

Conversions

Conversions Part 2

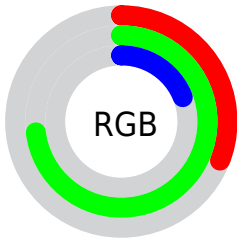
Format	Color
RYB	48, 185, 153
Decimal	5290288
CIELab	66.99, -54.53, 56.79
CIELCh	67, 78.725, 133.837
Yxy	36.6168, 0.3184, 0.5502
Android (android.graphics.Color)	4283480368 (0xFF50B930)
YUV	137.9870, -44.3636, -50.8546
Hunter-Lab	60.5118, -43.3866, 33.7877

Details

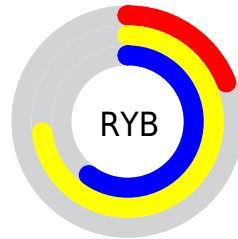
The XYZ color **21.1907, 36.6168, 8.7472** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **22.9532, 12.3905, 47.0828**, and the grayscale version is **24.3225, 25.5891, 27.8666**.

A 20% lighter version of the original color is **44.8478, 69.9725, 23.9743**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **19.8124, 35.9427, 7.0888**, and if you desaturate by 10%, it is **22.9826, 37.4880, 11.2574**.

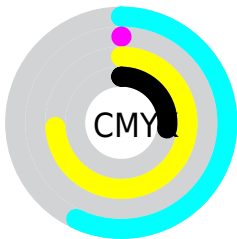
Distribution



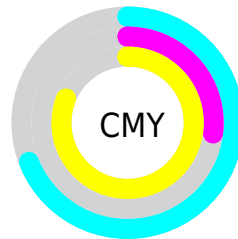
- Red (31%)
- Green (73%)
- Blue (19%)



- Red (19%)
- Yellow (73%)
- Blue (60%)



- Cyan (57%)
- Magenta (0%)
- Yellow (74%)
- Black (27%)





- Cyan (69%)
- Magenta (27%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1907, 36.6168, 8.7472 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 21.1907, 36.6168, 8.7472 by changing the saturation by 10% instead.


 21.1907, 36.6168,
8.7472


 21.1907, 36.6168,
8.7472


251.0028,
331.6485, 191.6288


 13.3767, 24.9109,
4.4821


 44.8936, 69.9830,
23.9807


 7.7673, 16.0107,
1.8934

 61.5132, 92.4122,
35.7861


 3.9969, 9.5317,
0.4885


 81.7987, 119.1845,
50.9421

 1.7004, 5.0896,
0.0000

 106.1156,
150.6845, 69.8671

 0.4565, 2.2999,
0.0000

 134.8290,
187.2965, 92.9798

 0.0000, 0.7737,
0.0000

 168.3045,

 0.0000, 0.0000,

229.4049, 120.6986

0.0000

206.9073,
277.3941, 153.4420

■ 21.1907, 36.6168,
8.7472

■ 21.1907, 36.6168,
8.7472

■ 19.8124, 35.9427,
7.0888

■ 22.9826, 37.4880,
11.2574

■ 18.8079, 35.4442,
6.1669

■ 25.2178, 38.5661,
14.7105

■ 18.3546, 35.2175,
5.8303

■ 27.9260, 39.8660,
19.1887

■ 31.1335, 41.3994,
24.7645

■ 34.8645, 43.1775,
31.5040

■ 39.1418, 45.2107,
39.4678

■ 43.9864, 47.5086,
48.7126

■ 49.4187, 50.0805,
59.2913

■ 55.4576, 52.9351,
71.2540

Harmonies

Analogous

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



29.5919, 36.6168, 4.0284



21.1907, 36.6168, 8.7472



17.0694, 36.6168, 24.2125

Triad

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



21.1907, 36.6168, 8.7472



28.7904, 36.6168, 142.3640



62.2226, 36.6168, 26.1109

Complementary

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



21.1907, 36.6168, 8.7472



22.9532, 12.3905, 47.0828

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.



61.8676, 36.6168, 61.1383



21.1907, 36.6168, 8.7472



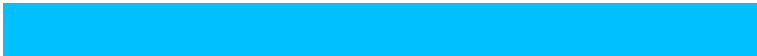
40.5930, 36.6168, 143.9857

Square

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



21.1907, 36.6168, 8.7472



20.7203, 36.6168, 105.0250



53.2675, 36.6168, 108.6701



54.1485, 36.6168, 9.4527

Rectangle

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



21.1907, 36.6168, 8.7472



16.5420, 36.6168, 44.4371



53.2675, 36.6168, 108.6701



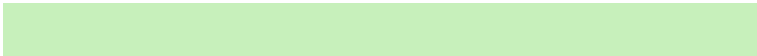
63.1334, 36.6168, 35.6261

Sweetspot

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



21.1916, 36.6183, 8.7480



63.6658, 77.9107, 58.6774



31.5691, 32.5823, 7.4220



13.3089, 16.5979, 11.8851



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1916, 36.6183, 8.7480



34.2579, 63.7641, 11.5011



20.1016, 35.9410, 13.9114



9.0814, 10.1586, 9.5891



12.5521, 24.0072, 3.9723



0.4984, 0.8752, 0.1427

Inverse Universe

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



22.9532, 12.3905, 47.0828



37.2661, 17.9601, 83.7071



26.6316, 14.6555, 30.5987



9.1704, 9.0542, 11.3437



13.6011, 6.3228, 31.7566



0.5301, 0.2490, 1.1219

Previews

White Background



This preview shows how the XYZ color 21.1907, 36.6168, 8.7472 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 21.1907, 36.6168, 8.7472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

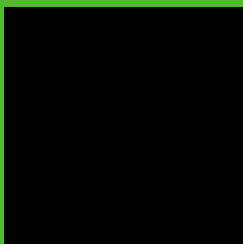
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

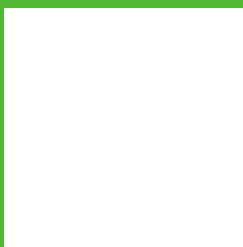
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1907, 36.6168, 8.7472

Background



This preview shows how black text looks on a background with the XYZ color 21.1907, 36.6168, 8.7472.



This preview shows how white text looks on a background with the XYZ color 21.1907, 36.6168,

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

21.1907, 36.6168, 8.7472

Protanopia

32.6297, 35.9529, 7.4103

Deuteranopia

36.7283, 35.9940, 9.2867



Tritanopia

29.8699, 36.5581, 51.9365

Trichromacy



Original Color

21.1907, 36.6168, 8.7472



Protanomaly

26.5064, 34.9510, 7.7321



Deuteranomaly

28.2695, 34.4649, 8.9038



Tritanomaly

25.0958, 35.7632, 28.8729

Monochromacy



Original Color

21.1907, 36.6168, 8.7472



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.6073, 28.2445, 17.6775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1907, 36.6168, 8.7472 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(80, 185, 48)` looks like.

```
.text, #text, p{  
    color:rgb(80, 185, 48)  
}
```

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(80, 185, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 185, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.1907, 36.6168, 8.7472 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(80, 185, 48) }
```


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

```
.border{ border-color:rgb(80, 185, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 185, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 185, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 185, 48);  
box-shadow:4px 4px 4px 4px rgb(80, 185,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1907, 36.6168, 8.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 185, 48) }
```

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

```
.background{ background-color: rgb(80, 185,  
48) }
```

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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