

Converting Colors

XYZ(21.6848, 36.4809, 12.3772)

Have a look what the booklet for
XYZ(21.6848, 36.4809, 12.3772)
contains.

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Color

**XYZ(21.6848, 36.4809,
12.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	50B84A
RGB	80, 184, 74
RGB Percent	31%, 72%, 29%
CMY	0.6863, 0.2784, 0.7098
CMYK	0.57, 0.00, 0.60, 0.28
HSL	117°, 44%, 51%
HSV	117°, 60%, 72%
XYZ	21.6848, 36.4809, 12.3772
YIQ	140.3640, -26.6740, -56.2580

Conversions

Conversions Part 2

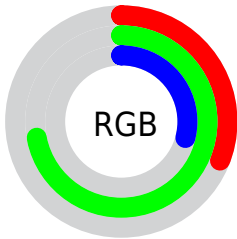
Format	Color
RYB	74, 184, 178
Decimal	5290058
CIELab	66.89, -51.74, 46.02
CIElCh	67, 69.250, 138.349
Yxy	36.4809, 0.3074, 0.5171
Android (android.graphics.Color)	4283480138 (0xFF50B84A)
YUV	140.3640, -32.7175, -52.9392
Hunter-Lab	60.3994, -41.6133, 30.1297

Details

The XYZ color **21.6848, 36.4809, 12.3772** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.4627, 17.8246, 47.2370**, and the grayscale version is **25.2007, 26.5131, 28.8728**.

A 20% lighter version of the original color is **45.7024, 69.8202, 30.8065**, and **8.1089, 16.0158, 3.3258** is the 20% darker color. If you saturate the color by 10%, you get **19.8700, 35.6079, 9.5164**, and if you desaturate by 10%, it is **24.0629, 37.6256, 16.2122**.

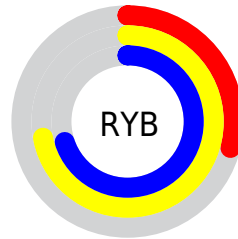
Distribution



Red (31%)

Green (72%)

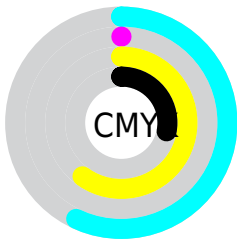
Blue (29%)



Red (29%)

Yellow (72%)

Blue (70%)

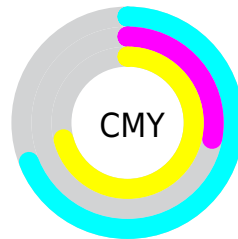


Cyan (57%)

Magenta (0%)

Yellow (60%)

Black (28%)



Cyan (69%)


Magenta (28%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6848, 36.4809, 12.3772 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 21.6848, 36.4809, 12.3772 by changing the saturation by 10% instead.


 21.6848, 36.4809,
12.3772


 21.6848, 36.4809,
12.3772


253.5592,
331.0576, 217.9525


 13.7408, 24.8058,
6.8755


 45.7072, 69.7737,
30.8549

 8.0211, 15.9325,
3.3071


 62.5163, 92.1602,
44.6679


 4.1604, 9.4764,
1.2535


 83.0112, 118.8860,
62.0884

 1.7933, 5.0532,
0.0232

 107.5572,
150.3354, 83.5350

 0.5136, 2.2785,
0.0000

 136.5196,
186.8929, 109.4261

 0.0000, 0.7623,
0.0000

170.2639,

 0.0000, 0.0000,

228.9428, 140.1804

0.0000

209.1553,
276.8696, 176.2163

■ 21.6848, 36.4809,
12.3772

■ 21.6848, 36.4809,
12.3772

■ 19.8700, 35.6079,
9.5164

■ 24.0629, 37.6256,
16.2122

■ 18.5696, 34.9799,
7.5401

■ 27.0430, 39.0568,
21.0958

■ 17.7308, 34.5730,
6.3460

■ 30.6631, 40.7939,
27.0981

■ 17.2738, 34.3506,
5.7314

■ 34.9575, 42.8532,
34.2823

■ 17.2668, 34.3472,
5.7196

■ 39.9581, 45.2499,
42.7069

■ 45.6947, 47.9980,
52.4268

■ 52.1955, 51.1110,
63.4931

■ 59.4869, 54.6016,
75.9546

■ 67.5944, 58.4819,
89.8575

Harmonies

Analogous

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



28.7060, 36.4809, 6.2566



21.6848, 36.4809, 12.3772



18.4381, 36.4809, 29.1641

Triad

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



21.6848, 36.4809, 12.3772



30.7595, 36.4809, 127.3641



57.5486, 36.4809, 24.1750

Complementary

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



21.6848, 36.4809, 12.3772



29.4627, 17.8246, 47.2370

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.



58.4076, 36.4809, 52.5613



21.6848, 36.4809, 12.3772



41.4166, 36.4809, 123.6045

Square

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



21.6848, 36.4809, 12.3772



22.9260, 36.4809, 100.3779



52.0273, 36.4809, 91.7841



49.8743, 36.4809, 10.3113

Rectangle

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



21.6848, 36.4809, 12.3772



18.3061, 36.4809, 48.7103



52.0273, 36.4809, 91.7841



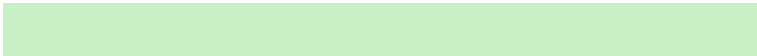
58.6936, 36.4809, 31.9127

Sweetspot

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



21.6857, 36.4824, 12.3780



64.6272, 78.2838, 64.2598



36.6613, 41.9994, 12.6536



13.4068, 16.6244, 12.9707



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.



21.6857, 36.4824, 12.3780



35.1108, 64.1084, 15.8521



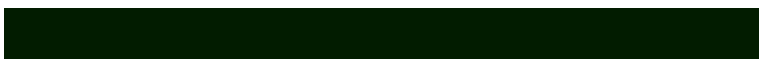
23.4580, 37.1354, 24.2369



8.9345, 10.0828, 9.5822



11.9192, 23.6809, 3.9427



0.4356, 0.8427, 0.1397

Inverse Universe

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



29.4627, 17.8246, 47.2370



50.4243, 27.1728, 84.7918



26.6850, 16.8760, 25.2692



9.3313, 9.1371, 11.3513



18.0078, 8.5946, 31.9629



0.6496, 0.3106, 1.1275

Previews

White Background



This preview shows how the XYZ color 21.6848, 36.4809, 12.3772 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 21.6848, 36.4809, 12.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

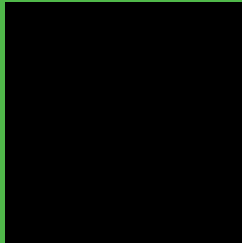
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6848, 36.4809, 12.3772

Background



This preview shows how black text looks on a background with the XYZ color 21.6848, 36.4809, 12.3772.



This preview shows how white text looks on a background with the XYZ color 21.6848, 36.4809,

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

21.6848, 36.4809, 12.3772

Protanopia

32.7558, 35.9492, 10.5227

Deuteranopia

36.6701, 35.8778, 13.1760



Tritanopia

29.6322, 36.4356, 51.9254

Trichromacy



Original Color

21.6848, 36.4809, 12.3772



Protanomaly

26.9818, 35.1209, 11.1513



Deuteranomaly

28.6134, 34.5574, 12.7516



Tritanomaly

25.6568, 35.9754, 32.3798

Monochromacy



Original Color

21.6848, 36.4809, 12.3772



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.5121, 28.8894, 20.9127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6848, 36.4809, 12.3772 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, 184, 74)` looks like.

```
.text, #text, p{  
    color:rgb(80, 184, 74)  
}
```

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, 184, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 184, 74) }
```

Border

The CSS property to change the border of an element to XYZ 21.6848, 36.4809, 12.3772 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, 184, 74) }
```


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

```
.border{ border-color:rgb(80, 184, 74) }
```

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

Here you see how a box with a 4 pixel rgb(80, 184, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 184, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 184, 74);  
box-shadow:4px 4px 4px 4px rgb(80, 184,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6848, 36.4809, 12.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 184, 74) }
```

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

```
.background{ background-color: rgb(80, 184,  
74) }
```

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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