

Converting Colors

XYZ(21.3450, 36.3885, 8.7401)

Have a look what the booklet for
XYZ(21.3450, 36.3885, 8.7401)
contains.

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Color

**XYZ(21.3301, 36.3792,
8.6940)**

Conversions

Conversions Part 1

Format	Color
Hex	54B830
RGB	84, 184, 48
RGB Percent	33%, 72%, 19%
CMY	0.6706, 0.2784, 0.8117
CMYK	0.54, 0.00, 0.74, 0.28
HSL	104°, 59%, 45%
HSV	104°, 74%, 72%
XYZ	21.3301, 36.3792, 8.6940
YIQ	138.5960, -15.9440, -63.4960

Conversions

Conversions Part 2

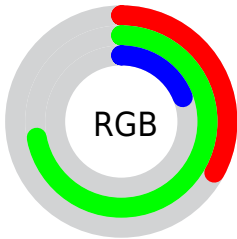
Format	Color
RYB	48, 184, 148
Decimal	5552176
CIELab	66.81, -53.09, 56.65
CIELCh	67, 77.637, 133.140
Yxy	36.3792, 0.3212, 0.5479
Android (android.graphics.Color)	4283742256 (0xFF54B830)
YUV	138.5960, -44.6638, -47.8807
Hunter-Lab	60.3152, -42.4261, 33.6744

Details

The XYZ color **21.3301, 36.3792, 8.6940** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **21.9238, 11.8720, 46.4854**, and the grayscale version is **24.5567, 25.8355, 28.1349**.

A 20% lighter version of the original color is **45.2312, 69.7295, 23.9072**, and **8.0077, 15.9782, 2.6620** is the 20% darker color. If you saturate the color by 10%, you get **19.9303, 35.6938, 7.0412**, and if you desaturate by 10%, it is **23.1230, 37.2513, 11.1887**.

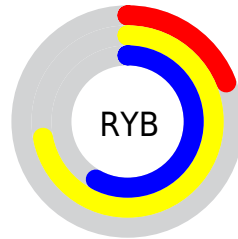
Distribution



Red (33%)

Green (72%)

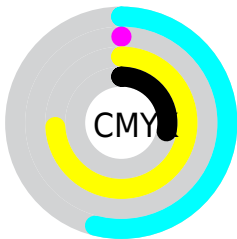
Blue (19%)



Red (19%)

Yellow (72%)

Blue (58%)

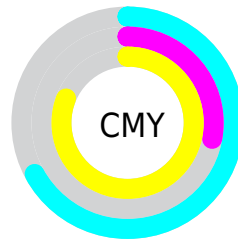


Cyan (54%)

Magenta (0%)

Yellow (74%)

Black (28%)



Cyan (67%)


Magenta (28%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3301, 36.3792, 8.6940 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 21.3301, 36.3792, 8.6940 by changing the saturation by 10% instead.


 21.3301, 36.3792,
8.6940


 21.3301, 36.3792,
8.6940


251.7263,
330.6149, 191.2117


 13.4793, 24.7272,
4.4481


 45.1234, 69.6170,
23.8764

 7.8387, 15.8739,
1.8742

 61.7967, 91.9715,
35.6499


 4.0429, 9.4350,
0.4763


 82.1415, 118.6623,
50.7697

 1.7264, 5.0260,
0.0000

 106.5232,
150.0739, 69.6543

 0.4727, 2.2625,
0.0000

 135.3072,
186.5905, 92.7223

 0.0000, 0.7538,
0.0000

 168.8588,

 0.0000, 0.0000,

228.5966, 120.3921

0.0000

207.5434,
276.4766, 153.0824

■ 21.3301, 36.3792,
8.6940

■ 21.3301, 36.3792,
8.6940

■ 19.9303, 35.6938,
7.0412

■ 23.1230, 37.2513,
11.1887

■ 18.8867, 35.1752,
6.1169

■ 25.3364, 38.3187,
14.6149

■ 18.3934, 34.9280,
5.7724

■ 27.9976, 39.5952,
19.0533

■ 31.1311, 41.0915,
24.5755

■ 34.7592, 42.8180,
31.2464

■ 38.9029, 44.7841,
39.1258

■ 43.5819, 46.9987,
48.2693

■ 48.8149, 49.4703,
58.7292

■ 54.6196, 52.2070,
70.5548

Harmonies

Analogous

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



29.6976, 36.3792, 4.1245



21.3301, 36.3792, 8.6940



17.1672, 36.3792, 23.6694

Triad

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



21.3301, 36.3792, 8.6940



28.4374, 36.3792, 139.2168



61.5323, 36.3792, 26.6622

Complementary

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



21.3301, 36.3792, 8.6940



21.9238, 11.8720, 46.4854

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.



60.9772, 36.3792, 61.4639



21.3301, 36.3792, 8.6940



39.9643, 36.3792, 141.7419

Square

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



21.3301, 36.3792, 8.6940



20.5883, 36.3792, 102.2611



52.4138, 36.3792, 107.9459



53.7926, 36.3792, 9.8187

Rectangle

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



21.3301, 36.3792, 8.6940



16.5870, 36.3792, 43.2565



52.4138, 36.3792, 107.9459



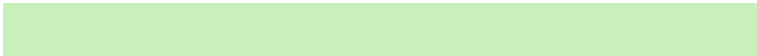
62.3536, 36.3792, 36.1758

Sweetspot

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



21.3310, 36.3807, 8.6948



64.1045, 78.1369, 58.6979



30.8504, 31.5018, 7.2513



13.4115, 16.6508, 11.8899



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.



21.3310, 36.3807, 8.6948



34.8146, 64.0511, 11.5271



19.7987, 35.4864, 13.3449



9.1074, 10.1720, 9.5903



12.7343, 24.1011, 3.9808



0.5094, 0.8808, 0.1432

Inverse Universe

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



21.9238, 11.8720, 46.4854



35.6464, 17.1251, 83.6313



26.5149, 14.5810, 31.2391



9.1428, 9.0400, 11.3424



12.9519, 5.9881, 31.7263



0.5116, 0.2395, 1.1210

Previews

White Background



This preview shows how the XYZ color 21.3301, 36.3792, 8.6940 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 21.3301, 36.3792, 8.6940 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 21.3301, 36.3792, 8.6940

Background



This preview shows how black text looks on a background with the XYZ color 21.3301, 36.3792, 8.6940.



This preview shows how white text looks on a background with the XYZ color 21.3301, 36.3792,

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

21.3301, 36.3792, 8.6940

Protanopia

32.3943, 35.8316, 7.3993

Deuteranopia

36.2942, 35.5262, 9.2193



Tritanopia

29.9399, 36.3228, 51.3319

Trichromacy



Original Color

21.3301, 36.3792, 8.6940

Protanomaly

26.6834, 35.0423, 7.7403

Deuteranomaly

28.0898, 34.1055, 8.8439

Tritanomaly

25.2653, 35.5666, 28.4551

Monochromacy



Original Color

21.3301, 36.3792, 8.6940

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

21.9306, 28.4052, 17.9626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3301, 36.3792, 8.6940 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(84, 184, 48)` looks like.

```
.text, #text, p{  
    color:rgb(84, 184, 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(84, 184, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 184, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.3301, 36.3792, 8.6940 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(84, 184, 48) }
```


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

```
.border{ border-color:rgb(84, 184, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 184, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 184, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 184, 48);  
box-shadow:4px 4px 4px 4px rgb(84, 184,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3301, 36.3792, 8.6940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 184, 48) }
```

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

```
.background{ background-color: rgb(84, 184,  
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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