

Converting Colors

XYZ(21.2575, 36.5701, 12.4169)

Have a look what the booklet for
XYZ(21.2575, 36.5701, 12.4169)
contains.

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Color

**XYZ(21.2575, 36.5701,
12.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	48B94A
RGB	72, 185, 74
RGB Percent	28%, 73%, 29%
CMY	0.7176, 0.2745, 0.7098
CMYK	0.61, 0.00, 0.60, 0.27
HSL	121°, 45%, 50%
HSV	121°, 61%, 73%
XYZ	21.2575, 36.5701, 12.4169
YIQ	138.5590, -31.7170, -58.4770

Conversions

Conversions Part 2

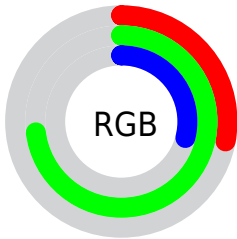
Format	Color
RYB	72, 183, 185
Decimal	4766026
CIELab	66.95, -54.06, 46.04
CIELCh	67, 71.002, 139.581
Yxy	36.5701, 0.3026, 0.5206
Android (android.graphics.Color)	4282956106 (0xFF48B94A)
YUV	138.5590, -31.8276, -58.3722
Hunter-Lab	60.4732, -43.0819, 30.1573

Details

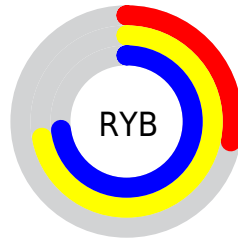
The XYZ color **21.2575, 36.5701, 12.4169** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.8732, 18.3685, 46.7186**, and the grayscale version is **24.4990, 25.7748, 28.0688**.

A 20% lighter version of the original color is **45.0337, 69.9162, 30.8603**, and **8.2426, 16.2831, 3.3703** is the 20% darker color. If you saturate the color by 10%, you get **19.5540, 35.7538, 9.5903**, and if you desaturate by 10%, it is **23.5545, 37.6741, 16.1959**.

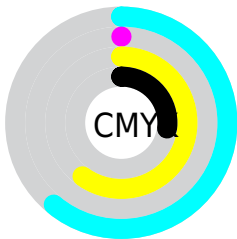
Distribution



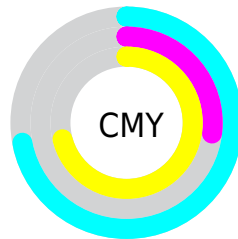
- Red (28%)
- Green (73%)
- Blue (29%)



- Red (28%)
- Yellow (72%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (60%)
- Black (27%)




- Cyan (72%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2575, 36.5701, 12.4169 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 21.2575, 36.5701, 12.4169 by changing the saturation by 10% instead.


 21.2575, 36.5701,
12.4169


 21.2575, 36.5701,
12.4169


251.3497,
331.4455, 218.2210


 13.4259, 24.8748,
6.9023


 45.0037, 69.9111,
30.9278


 7.8015, 15.9838,
3.3236


 61.6491, 92.3256,
44.7613


 4.0189, 9.5127,
1.2621


 81.9631, 119.0820,
62.2047

 1.7128, 5.0771,
0.0304

 106.3110,
150.5646, 83.6767

 0.4643, 2.2926,
0.0000

 135.0583,
187.1579, 109.5958

 0.0000, 0.7698,
0.0000

168.5703,

 0.0000, 0.0000,

229.2462, 140.3805

0.0000

207.2123,
277.2139, 176.4494

■ 21.2575, 36.5701,
12.4169

■ 21.2575, 36.5701,
12.4169

■ 19.5540, 35.7538,
9.5903

■ 23.5545, 37.6741,
16.1959

■ 18.3872, 35.1945,
7.6290

■ 26.4900, 39.0841,
20.9993

■ 17.6938, 34.8627,
6.4347

■ 30.1077, 40.8223,
26.8949

■ 17.3677, 34.7066,
5.8778

■ 34.4465, 42.9076,
33.9442

■ 39.5428, 45.3572,
42.2039

■ 45.4300, 48.1875,
51.7273

■ 52.1400, 51.4138,
62.5642

■ 59.7027, 55.0503,
74.7617

■ 68.1464, 59.1109,
88.3649

Harmonies

Analogous

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



28.2708, 36.5701, 6.0047



21.2575, 36.5701, 12.4169



18.1120, 36.5701, 30.0281

Triad

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



21.2575, 36.5701, 12.4169



31.1469, 36.5701, 131.2547



58.1456, 36.5701, 23.0674

Complementary

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



21.2575, 36.5701, 12.4169



30.8732, 18.3685, 46.7186

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.



59.3603, 36.5701, 51.5349



21.2575, 36.5701, 12.4169



42.1705, 36.5701, 125.8990

Square

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



21.2575, 36.5701, 12.4169



22.9875, 36.5701, 104.1802



53.0266, 36.5701, 91.9726



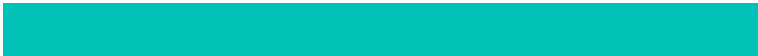
49.9872, 36.5701, 9.5844

Rectangle

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



21.2575, 36.5701, 12.4169



18.0779, 36.5701, 50.5270



53.0266, 36.5701, 91.9726



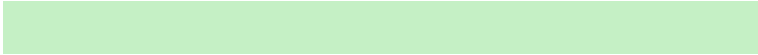
59.4354, 36.5701, 30.7414

Sweetspot

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



21.2584, 36.5716, 12.4177



64.0958, 77.9997, 64.6922



38.0765, 45.2493, 12.8581



13.2798, 16.5566, 13.0738



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.



21.2584, 36.5716, 12.4177



34.2712, 63.6731, 15.9239



24.0774, 37.6992, 27.2627



8.8966, 10.0626, 9.6131



11.8282, 23.6322, 4.0172



0.4192, 0.8340, 0.1532

Inverse Universe

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



30.8732, 18.3685, 46.7186



52.9351, 28.3122, 82.4888



26.1318, 16.4719, 21.7507



9.3739, 9.1599, 11.3163



19.3561, 9.3162, 30.8256



0.6845, 0.3293, 1.0982

Previews

White Background



This preview shows how the XYZ color 21.2575, 36.5701, 12.4169 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 21.2575, 36.5701, 12.4169 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 21.2575, 36.5701, 12.4169

Background



This preview shows how black text looks on a background with the XYZ color 21.2575, 36.5701, 12.4169.



This preview shows how white text looks on a background with the XYZ color 21.2575, 36.5701,

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

21.2575, 36.5701, 12.4169

Protanopia

32.7558, 35.9492, 10.5227

Deuteranopia

36.6701, 35.8778, 13.1760



Tritanopia

29.1687, 36.1843, 52.4606

Trichromacy



Original Color

21.2575, 36.5701, 12.4169



Protanomaly

26.4647, 34.8544, 11.1271



Deuteranomaly

28.0400, 34.2618, 12.7247



Tritanomaly

25.1269, 35.6933, 32.7593

Monochromacy



Original Color

21.2575, 36.5701, 12.4169



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.0532, 28.6596, 20.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2575, 36.5701, 12.4169 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(72, 185, 74)` looks like.

```
.text, #text, p{  
    color:rgb(72, 185, 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(72, 185, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 185, 74) }
```

Border

The CSS property to change the border of an element to XYZ 21.2575, 36.5701, 12.4169 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(72, 185, 74) }
```


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

```
.border{ border-color:rgb(72, 185, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 185, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 185, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 185, 74);  
box-shadow:4px 4px 4px 4px rgb(72, 185,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2575, 36.5701, 12.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 185, 74) }
```

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

```
.background{ background-color: rgb(72, 185,  
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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