

Converting Colors

XYZ(20.9955, 35.1965, 12.8217)

Have a look what the booklet for
XYZ(20.9955, 35.1965, 12.8217)
contains.

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Color

**XYZ(21.0409, 35.2175,
12.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB54E
RGB	78, 181, 78
RGB Percent	31%, 71%, 31%
CMY	0.6941, 0.2902, 0.6941
CMYK	0.57, 0.00, 0.57, 0.29
HSL	120°, 41%, 51%
HSV	120°, 57%, 71%
XYZ	21.0409, 35.2175, 12.8964
YIQ	138.4610, -28.3250, -53.8690

Conversions

Conversions Part 2

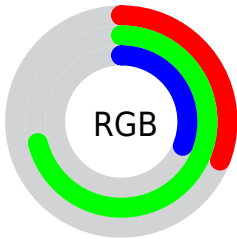
Format	Color
RYB	78, 181, 181
Decimal	5158222
CIELab	65.92, -50.63, 43.02
CIELCh	66, 66.434, 139.645
Yxy	35.2175, 0.3043, 0.5093
Android (android.graphics.Color)	4283348302 (0xFF4EB54E)
YUV	138.4610, -29.8073, -53.0243
Hunter-Lab	59.3443, -40.5643, 28.6564

Details

The XYZ color **21.0409, 35.2175, 12.8964** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.1219, 18.6093, 45.7211**, and the grayscale version is **24.4528, 25.7263, 28.0159**.

A 20% lighter version of the original color is **44.7571, 67.9950, 31.8845**, and **7.7758, 15.2533, 3.5116** is the 20% darker color. If you saturate the color by 10%, you get **19.1951, 34.3319, 9.8766**, and if you desaturate by 10%, it is **23.4751, 36.3878, 16.8774**.

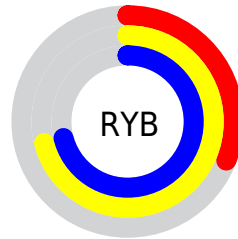
Distribution



Red (31%)

Green (71%)

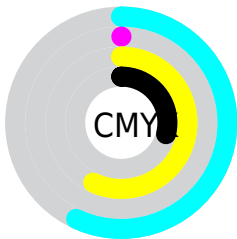
Blue (31%)



Red (31%)

Yellow (71%)

Blue (71%)

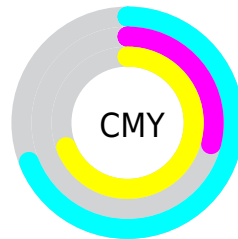


Cyan (57%)

Magenta (0%)

Yellow (57%)

Black (29%)



Cyan (69%)


Magenta (29%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0409, 35.2175, 12.8964 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 21.0409, 35.2175, 12.8964 by changing the saturation by 10% instead.


 21.0409, 35.2175,
12.8964


 21.0409, 35.2175,
12.8964


250.2234,
325.5273, 221.4371


 13.2665, 23.8305,
7.2274


 44.6464, 67.8226,
31.8060


 7.6906, 15.2079,
3.5241


 61.2082, 89.8094,
45.8836


 3.9477, 8.9654,
1.3681


 81.4298, 116.0983,
63.6012

 1.6726, 4.7186,
0.1166

 105.6767,
147.0736, 85.3772

 0.4390, 2.0831,
0.0000

 134.3141,
183.1198, 111.6303

 0.0000, 0.6551,
0.0000

167.7075,

 0.0000, 0.0000,

224.6212, 142.7790

0.0000

206.2221,
271.9623, 179.2417

■ 21.0409, 35.2175,
12.8964

■ 21.0409, 35.2175,
12.8964

■ 19.1951, 34.3319,
9.8766

■ 23.4751, 36.3878,
16.8774

■ 17.8857, 33.7029,
7.7347

■ 26.5390, 37.8596,
21.8890

■ 17.0560, 33.3044,
6.3775

■ 30.2731, 39.6533,
27.9968

■ 16.6254, 33.0976,
5.6731

■ 34.7139, 41.7864,
35.2604

■ 16.5246, 33.0492,
5.5083

■ 39.8950, 44.2751,
43.7350

■ 45.8481, 47.1347,
53.4724

■ 52.6031, 50.3795,
64.5212

■ 60.1881, 54.0230,
76.9277

■ 68.6299, 58.0780,
90.7356

Harmonies

Analogous

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



27.5145, 35.2175, 6.6268



21.0409, 35.2175, 12.8964



18.1149, 35.2175, 29.4189

Triad

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



21.0409, 35.2175, 12.8964



30.1907, 35.2175, 120.0035



54.6065, 35.2175, 22.8795

Complementary

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



21.0409, 35.2175, 12.8964



30.1219, 18.6093, 45.7211

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.



55.7115, 35.2175, 48.9175



21.0409, 35.2175, 12.8964



40.2354, 35.2175, 115.2156

Square

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



21.0409, 35.2175, 12.8964



22.6690, 35.2175, 96.1270



50.0342, 35.2175, 85.1386



47.2583, 35.2175, 10.1256

Rectangle

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



21.0409, 35.2175, 12.8964



18.0879, 35.2175, 48.1450



50.0342, 35.2175, 85.1386



55.7686, 35.2175, 29.9757

Sweetspot

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



21.0418, 35.2190, 12.8972



61.8454, 74.6799, 62.6183



36.9566, 43.4234, 13.6416



13.0092, 15.9691, 12.9489



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.0418, 35.2190, 12.8972



33.7738, 61.1957, 16.7020



23.6624, 36.2672, 26.6974



8.3890, 9.4901, 9.0422



11.3913, 22.7825, 3.7972



0.3584, 0.7168, 0.1195

Inverse Universe

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



30.1219, 18.6093, 45.7211



51.5871, 28.6109, 81.0955



25.7772, 16.8714, 22.8422



8.8501, 8.6467, 10.7088



18.8864, 9.0721, 30.8912



0.5942, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 21.0409, 35.2175, 12.8964 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 21.0409, 35.2175, 12.8964 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 21.0409, 35.2175, 12.8964

Background



This preview shows how black text looks on a background with the XYZ color 21.0409, 35.2175, 12.8964.



This preview shows how white text looks on a background with the XYZ color 21.0409, 35.2175,

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

21.0409, 35.2175, 12.8964

Protanopia

31.6669, 34.5983, 10.9704

Deuteranopia

35.4136, 34.7305, 13.6412



Tritanopia

28.5059, 35.0349, 50.6074

Trichromacy



Original Color

21.0409, 35.2175, 12.8964



Protanomaly

26.0393, 33.7946, 11.6292



Deuteranomaly

27.6074, 33.4943, 13.1936



Tritanomaly

24.7611, 34.6436, 32.1699

Monochromacy



Original Color

21.0409, 35.2175, 12.8964



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9104, 28.0852, 20.7892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0409, 35.2175, 12.8964 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(78, 181, 78)` looks like.

```
.text, #text, p{  
    color:rgb(78, 181, 78)  
}
```

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(78, 181, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 181, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.0409, 35.2175, 12.8964 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(78, 181, 78) }
```


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

```
.border{ border-color:rgb(78, 181, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 181, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 181, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 181, 78);  
box-shadow:4px 4px 4px 4px rgb(78, 181,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0409, 35.2175, 12.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 181, 78) }
```

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

```
.background{ background-color: rgb(78, 181,  
78) }
```

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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