

Converting Colors

XYZ(21.2553, 35.7590, 13.2908)

Have a look what the booklet for
XYZ(21.2553, 35.7590, 13.2908)
contains.

XYZ(21.1564, 35.5716, 13.3404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1564, 35.5716,
13.3404)**

Conversions

Conversions Part 1

Format	Color
Hex	4CB650
RGB	76, 182, 80
RGB Percent	30%, 71%, 31%
CMY	0.7020, 0.2863, 0.6863
CMYK	0.58, 0.00, 0.56, 0.29
HSL	122°, 42%, 51%
HSV	122°, 58%, 71%
XYZ	21.1564, 35.5716, 13.3404
YIQ	138.6780, -30.4340, -54.1940

Conversions

Conversions Part 2

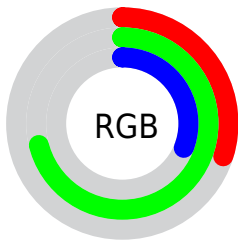
Format	Color
RYB	76, 178, 182
Decimal	5027408
CIELab	66.19, -51.25, 42.37
CIElCh	66, 66.502, 140.417
Yxy	35.5716, 0.3019, 0.5077
Android (android.graphics.Color)	4283217488 (0xFF4CB650)
YUV	138.6780, -28.9283, -54.9686
Hunter-Lab	59.6419, -41.0552, 28.4877

Details

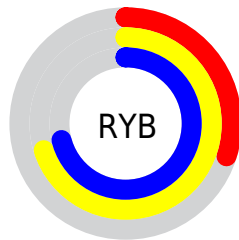
The XYZ color **21.1564, 35.5716, 13.3404** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.9127, 18.3288, 44.0811**, and the grayscale version is **24.5335, 25.8112, 28.1084**.

A 20% lighter version of the original color is **44.8629, 68.4673, 32.6808**, and **7.9409, 15.5271, 3.7409** is the 20% darker color. If you saturate the color by 10%, you get **19.3450, 34.7041, 10.3072**, and if you desaturate by 10%, it is **23.5472, 36.7204, 17.2825**.

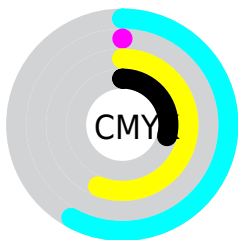
Distribution



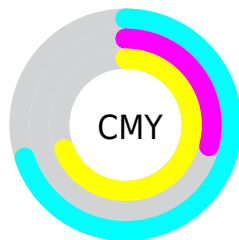
- Red (30%)
- Green (71%)
- Blue (31%)



- Red (30%)
- Yellow (70%)
- Blue (71%)



- Cyan (58%)
- Magenta (0%)
- Yellow (56%)
- Black (29%)



- Cyan (70%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1564, 35.5716, 13.3404 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 21.1564, 35.5716, 13.3404 by changing the saturation by 10% instead.

■ 21.1564, 35.5716,
13.3404

■ 21.1564, 35.5716,
13.3404

250.8245,
327.0842, 224.3718

■ 13.3515, 24.1035,
7.5299

■ 44.8370, 68.3703,
32.6141

■ 7.7497, 15.4104,
3.7122

■ 61.4434, 90.4698,
46.9144

■ 3.9857, 9.1079,
1.4688

■ 81.7143, 116.8818,
64.8816

■ 1.6940, 4.8117,
0.1945

■ 106.0152,
147.9907, 86.9344

■ 0.4525, 2.1372,
0.0000

■ 134.7112,
184.1811, 113.4913

■ 0.0000, 0.6854,
0.0000

168.1679,

■ 0.0000, 0.0000,

225.8372, 144.9708

0.0000

206.7506,
273.3434, 181.7914

■ 21.1564, 35.5716,
13.3404

■ 21.1564, 35.5716,
13.3404

■ 19.3450, 34.7041,
10.3072

■ 23.5472, 36.7204,
17.2825

■ 18.0615, 34.0898,
8.1083

■ 26.5581, 38.1669,
22.1957

■ 17.2497, 33.7025,
6.6613

■ 30.2292, 39.9317,
28.1392

■ 16.8232, 33.4998,
5.8652

■ 34.5964, 42.0321,
35.1671

■ 16.7663, 33.4724,
5.7745

■ 39.6932, 44.4842,
43.3296

■ 45.5507, 47.3031,
52.6738

■ 52.1984, 50.5030,
63.2439

■ 59.6640, 54.0974,
75.0822

■ 67.9741, 58.0990,
88.2288

Harmonies

Analogous

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



27.5933, 35.5716, 6.8090



21.1564, 35.5716, 13.3404



18.2964, 35.5716, 30.3444

Triad

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



21.1564, 35.5716, 13.3404



30.7381, 35.5716, 121.2160



54.9764, 35.5716, 22.6536

Complementary

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



21.1564, 35.5716, 13.3404



29.9127, 18.3288, 44.0811

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.



56.2730, 35.5716, 48.5369



21.1564, 35.5716, 13.3404



40.8961, 35.5716, 115.6039

Square

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



21.1564, 35.5716, 13.3404



23.0710, 35.5716, 97.7880



50.7088, 35.5716, 84.9019



47.4507, 35.5716, 10.0736

Rectangle

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



21.1564, 35.5716, 13.3404



18.3283, 35.5716, 49.4507



50.7088, 35.5716, 84.9019



56.2055, 35.5716, 29.6852

Sweetspot

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



21.1573, 35.5731, 13.3412



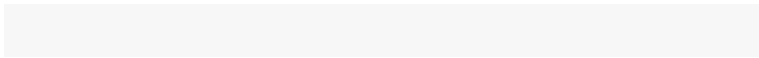
63.5445, 76.5970, 65.0777



36.5013, 43.4998, 13.3100



13.6574, 16.7362, 13.7674



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.



21.1573, 35.5731, 13.3412



34.2910, 62.5420, 17.3625



23.9108, 36.6745, 27.8410



8.9037, 10.0655, 9.6504



11.8453, 23.6391, 4.1072



0.4222, 0.8352, 0.1694

Inverse Universe

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



29.9127, 18.3288, 44.0811



51.6447, 28.3181, 78.2576



25.6084, 16.6071, 21.4151



9.3659, 9.1567, 11.2742



19.1024, 9.2147, 29.4895



0.6780, 0.3267, 1.0637

Previews

White Background



This preview shows how the XYZ color 21.1564, 35.5716, 13.3404 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 21.1564, 35.5716, 13.3404 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 21.1564, 35.5716, 13.3404

Background



This preview shows how black text looks on a background with the XYZ color 21.1564, 35.5716, 13.3404.



This preview shows how white text looks on a background with the XYZ color 21.1564, 35.5716,

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

21.1564, 35.5716, 13.3404

Protanopia

31.9049, 34.9698, 11.3716

Deuteranopia

35.4954, 34.7632, 14.0717



Tritanopia

28.6867, 35.3953, 51.2190

Trichromacy



Original Color

21.1564, 35.5716, 13.3404



Protanomaly

26.1224, 34.1025, 12.0431



Deuteranomaly

27.6858, 33.5257, 13.6062



Tritanomaly

25.0101, 35.0418, 33.0493

Monochromacy



Original Color

21.1564, 35.5716, 13.3404



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.1938, 28.4637, 21.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1564, 35.5716, 13.3404 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(76, 182, 80)` looks like.

```
.text, #text, p{  
    color:rgb(76, 182, 80)  
}
```

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(76, 182, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 182, 80) }
```

Border

The CSS property to change the border of an element to XYZ 21.1564, 35.5716, 13.3404 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(76, 182, 80) }
```


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

```
.border{ border-color:rgb(76, 182, 80) }
```

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

Here you see how a box with a 4 pixel rgb(76, 182, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 182, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 182, 80);  
box-shadow:4px 4px 4px 4px rgb(76, 182,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1564, 35.5716, 13.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 182, 80) }
```

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

```
.background{ background-color: rgb(76, 182,  
80) }
```

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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