

Converting Colors

XYZ(20.8210, 40.4814, 3.6200)

Have a look what the booklet for
XYZ(20.8210, 40.4814, 3.6200)
contains.

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Color

**XYZ(21.3824, 40.6626,
6.7217)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 34C500 |
| RGB | 52, 197, 0 |
| RGB Percent | 20%, 77%, 0% |
| CMY | 0.7961, 0.2274, 0.9999 |
| CMYK | 0.74, 0.00, 1.00, 0.23 |
| HSL | 104°, 100%, 39% |
| HSV | 104°, 100%, 77% |
| XYZ | 21.3824, 40.6626, 6.7217 |
| YIQ | 131.1870, -23.1830, -92.0070 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 197, 145 |
| Decimal | 3458304 |
| CIELab | 69.94, -66.33, 69.13 |
| CIELCh | 70, 95.803, 133.818 |
| Yxy | 40.6626, 0.3109, 0.5913 |
| Android (android.graphics.Color) | 4281648384 (0xFF34C500) |
| YUV | 131.1870, -64.6752, -69.4470 |
| Hunter-Lab | 63.7672, -51.7381, 38.3873 |

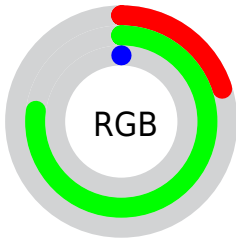
Details

The XYZ color **21.3824, 40.6626, 6.7217** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **21.7605, 10.0541, 53.6193**, and the grayscale version is **21.8721, 23.0112, 25.0592**.

A 20% lighter version of the original color is **45.2340, 76.2368, 19.9205**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **21.3824, 40.6638, 6.7219**, and if you desaturate by 10%, it is **22.3716, 41.1595, 7.4144**.

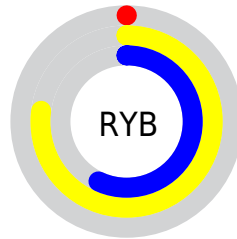
Distribution



Red (20%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (57%)

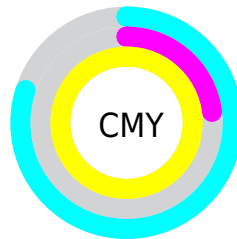


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (80%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3824, 40.6626, 6.7217 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 21.3824, 40.6626, 6.7217 by changing the saturation by 10% instead.


 21.3824, 40.6626,
6.7217


 21.3824, 40.6626,
6.7217


251.9972,
348.9085, 174.8730


 13.5179, 28.0555,
3.2129


 45.2096, 76.1714,
19.9144


 7.8656, 18.3675,
1.2043


 61.9029, 99.8420,
30.4353


 4.0601, 11.2142,
0.0000


 82.2700, 127.9692,
44.1306

 1.7362, 6.2111,
0.0000

 106.6760,
160.9375, 61.4190

 0.4788, 2.9739,
0.0000

 135.4864,
199.1311, 82.7189

 0.0000, 1.1181,
0.0000

 169.0665,

 0.0000, 0.0000,

242.9346, 108.4488

0.0000

207.7816,
292.7322, 139.0273

■ 21.3824, 40.6626,
6.7217

■ 21.3824, 40.6626,
6.7217

■ 21.3824, 40.6638,
6.7219

■ 22.3716, 41.1595,
7.4144

■ 23.7340, 41.8330,
8.7801

■ 25.5317, 42.7113,
11.0529

■ 27.8033, 43.8116,
14.3546

■ 30.5825, 45.1491,
18.7882

■ 33.8998, 46.7375,
24.4440

■ 37.7831, 48.5894,
31.4035

■ 42.2582, 50.7165,
39.7408

■ 47.3493, 53.1298,
49.5247

Harmonies

Analogous

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



31.9199, 40.6626, 2.2817



21.3824, 40.6626, 6.7217



16.4105, 40.6626, 24.3942

Triad

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



21.3824, 40.6626, 6.7217



30.8793, 40.6626, 188.5691



75.6932, 40.6626, 26.7677

Complementary

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



21.3824, 40.6626, 6.7217



21.7605, 10.0541, 53.6193

Split Complementary

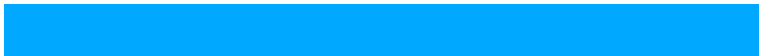
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1930, 40.6626, 72.7808



21.3824, 40.6626, 6.7217



46.2621, 40.6626, 190.9892

Square

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



21.3824, 40.6626, 6.7217



20.7982, 40.6626, 134.3266



63.3504, 40.6626, 139.6466



64.5745, 40.6626, 7.4603

Rectangle

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



21.3824, 40.6626, 6.7217



15.7851, 40.6626, 50.2427



63.3504, 40.6626, 139.6466



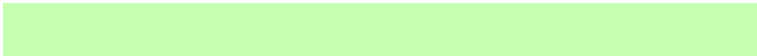
76.9544, 40.6626, 38.7990

Sweetspot

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



21.3833, 40.6643, 6.7226



67.3161, 86.8536, 55.5997



33.0725, 31.9617, 4.4267



13.7485, 18.2758, 10.7060



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.3833, 40.6643, 6.7226



38.0944, 72.7234, 12.0292



20.4602, 40.1315, 9.2509



10.7556, 12.0209, 11.3162



14.1316, 26.7804, 4.4243



0.7397, 1.3045, 0.2128

Inverse Universe

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



21.7605, 10.0541, 53.6193



38.7187, 17.8751, 96.0173



28.6165, 14.1070, 30.5104



10.7995, 10.6704, 13.4079



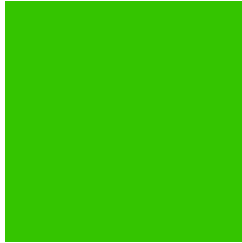
14.3936, 6.6544, 35.2702



0.7471, 0.3489, 1.6731

Previews

White Background



This preview shows how the XYZ color 21.3824, 40.6626, 6.7217 looks on a white background.

Color Contrast Check

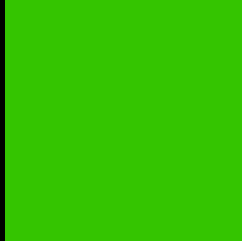
Large Text (above 18pt) WCAG AA × Fail

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 21.3824, 40.6626, 6.7217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

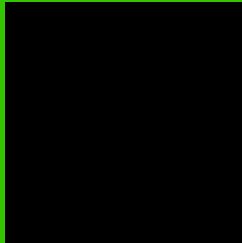
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3824, 40.6626, 6.7217

Background



This preview shows how black text looks on a background with the XYZ color 21.3824, 40.6626, 6.7217.



This preview shows how white text looks on a background with the XYZ color 21.3824, 40.6626,

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

21.3824, 40.6626, 6.7217

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

40.6034, 39.8030, 7.7332



Tritanopia

31.8458, 40.3771, 59.5412

Trichromacy



Original Color

21.3824, 40.6626, 6.7217



Protanomaly

27.1365, 38.2180, 5.9466



Deuteranomaly

28.6603, 37.2213, 6.7108



Tritanomaly

24.9736, 39.1351, 25.9762

Monochromacy



Original Color

21.3824, 40.6626, 6.7217



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.7622, 26.8920, 12.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3824, 40.6626, 6.7217 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(52, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 197, 0)  
}
```

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(52, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3824, 40.6626, 6.7217 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(52, 197, 0) }
```


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

```
.border{ border-color:rgb(52, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 197, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3824, 40.6626, 6.7217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 197, 0) }
```

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

```
.background{ background-color: rgb(52, 197,  
0) }
```

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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