

Converting Colors

XYZ(21.8615, 41.3498, 7.4818)

Have a look what the booklet for
XYZ(21.8615, 41.3498, 7.4818)
contains.

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Color

**XYZ(21.7885, 41.1956,
7.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	35C614
RGB	53, 198, 20
RGB Percent	21%, 78%, 8%
CMY	0.7922, 0.2235, 0.9215
CMYK	0.73, 0.00, 0.90, 0.22
HSL	109°, 82%, 43%
HSV	109°, 90%, 78%
XYZ	21.7885, 41.1956, 7.4650
YIQ	134.3530, -29.2820, -86.0980

Conversions

Conversions Part 2

Format	Color
RYB	20, 198, 165
Decimal	3524116
CIELab	70.31, -66.03, 66.96
CIELCh	70, 94.039, 134.600
Yxy	41.1956, 0.3093, 0.5848
Android (android.graphics.Color)	4281714196 (0xFF35C614)
YUV	134.3530, -56.3760, -71.3466
Hunter-Lab	64.1838, -51.7262, 38.0328

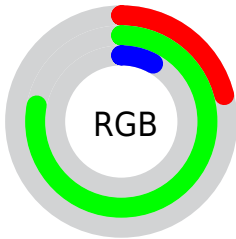
Details

The XYZ color **21.7885, 41.1956, 7.4650** 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 **25.9650, 12.5796, 54.4880**, and the grayscale version is **23.0004, 24.1982, 26.3518**.

A 20% lighter version of the original color is **45.6487, 76.4191, 21.3612**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.9543, 40.7813, 6.7733**, and if you desaturate by 10%, it is **23.0382, 41.8118, 8.8472**.

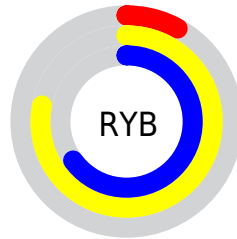
Distribution



Red (21%)

Green (78%)

Blue (8%)



Red (8%)

Yellow (78%)

Blue (65%)

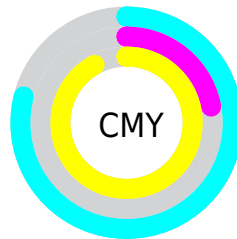


Cyan (73%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (79%)


Magenta (22%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7885, 41.1956, 7.4650 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 21.7885, 41.1956, 7.4650 by changing the saturation by 10% instead.


 21.7885, 41.1956,
7.4650


 21.7885, 41.1956,
7.4650


254.0929,
351.1375, 181.2484


 13.8173, 28.4720,
3.6717


 45.8776, 76.9807,
21.4313

 8.0746, 18.6817,
1.4470


 62.7263, 100.8110,
32.4415

 4.1949, 11.4405,
0.1780


 83.2648, 129.1123,
46.6944

 1.8130, 6.3640,
0.0000

 107.8586,
162.2690, 64.6085

 0.5255, 3.0676,
0.0000

 136.8729,
200.6654, 86.6024

 0.0000, 1.1671,
0.0000

 170.6732,

 0.0000, 0.0346,

244.6860, 113.0947

0.0000

209.6247,
294.7153, 144.5038

■ 0.0000, 0.0000,
0.0000

■ 21.7885, 41.1956,
7.4650

■ 21.7885, 41.1956,
7.4650

■ 20.9543, 40.7813,
6.7733

■ 23.0382, 41.8118,
8.8472

■ 20.9470, 40.7776,
6.7668

■ 24.7704, 42.6556,
11.1496

■ 27.0322, 43.7499,
14.4964

■ 29.8639, 45.1131,
18.9921

■ 33.3021, 46.7621,
24.7285

■ 37.3798, 48.7123,
31.7880

■ 42.1279, 50.9777,
40.2460

■ 47.5752, 53.5718,
50.1722

■ 53.7487, 56.5071,
61.6317

Harmonies

Analogous

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



32.1377, 41.1956, 2.6299



21.7885, 41.1956, 7.4650



16.9389, 41.1956, 25.8508

Triad

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



21.7885, 41.1956, 7.4650



31.7877, 41.1956, 186.9240



75.4892, 41.1956, 26.6537

Complementary

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



21.7885, 41.1956, 7.4650



25.9650, 12.5796, 54.4880

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.



75.3230, 41.1956, 71.4382



21.7885, 41.1956, 7.4650



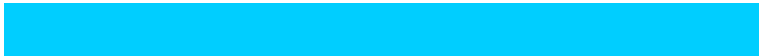
47.1264, 41.1956, 187.7214

Square

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



21.7885, 41.1956, 7.4650



21.5907, 41.1956, 134.9720



63.9221, 41.1956, 136.7305



64.3296, 41.1956, 7.7221

Rectangle

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



21.7885, 41.1956, 7.4650



16.3898, 41.1956, 52.0257



63.9221, 41.1956, 136.7305



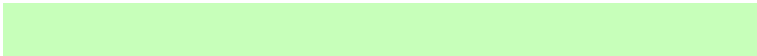
76.8341, 41.1956, 38.3755

Sweetspot

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



21.7895, 41.1973, 7.4659



68.1679, 87.2012, 59.7767



36.4081, 38.0407, 6.0861



14.0051, 18.3849, 11.7632



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.



21.7895, 41.1973, 7.4659



36.9441, 72.1304, 11.9754



21.7000, 41.0253, 13.1500



10.6778, 11.9808, 11.3125



13.6753, 26.5452, 4.4030



0.7046, 1.2864, 0.2112

Inverse Universe

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



25.9650, 12.5796, 54.4880



43.9907, 20.5929, 96.2640



28.6207, 14.5393, 27.9273



10.8830, 10.7134, 13.4118



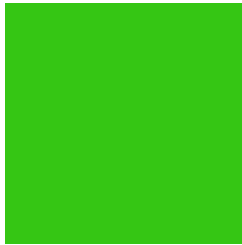
16.2948, 7.6345, 35.3591



0.8230, 0.3880, 1.6767

Previews

White Background



This preview shows how the XYZ color 21.7885, 41.1956, 7.4650 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 21.7885, 41.1956, 7.4650 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 21.7885, 41.1956, 7.4650

Background



This preview shows how black text looks on a background with the XYZ color 21.7885, 41.1956, 7.4650.



This preview shows how white text looks on a background with the XYZ color 21.7885, 41.1956,

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

21.7885, 41.1956, 7.4650

Protanopia

36.3231, 40.3411, 5.9870

Deuteranopia

41.1450, 40.3341, 8.2014



Tritanopia

32.2732, 40.8913, 60.2247

Trichromacy



Original Color

21.7885, 41.1956, 7.4650



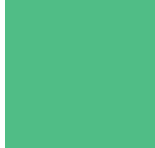
Protanomaly

27.5632, 38.7324, 6.3105



Deuteranomaly

29.1815, 37.7621, 7.5010



Tritanomaly

25.8089, 39.8219, 28.8804

Monochromacy



Original Color

21.7885, 41.1956, 7.4650



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.8585, 27.9075, 14.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7885, 41.1956, 7.4650 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(53, 198, 20)` looks like.

```
.text, #text, p{  
    color:rgb(53, 198, 20)  
}
```

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(53, 198, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 198, 20) }
```

Border

The CSS property to change the border of an element to XYZ 21.7885, 41.1956, 7.4650 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(53, 198, 20) }
```


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

```
.border{ border-color:rgb(53, 198, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 198, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 198, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 198, 20);  
box-shadow:4px 4px 4px 4px rgb(53, 198,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7885, 41.1956, 7.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 198, 20) }
```

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

```
.background{ background-color: rgb(53, 198,  
20) }
```

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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