

Converting Colors

XYZ(21.5435, 40.0568, 7.4604)

Have a look what the booklet for
XYZ(21.5435, 40.0568, 7.4604)
contains.

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Color

**XYZ(21.5435, 40.0568,
7.4604)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC318
RGB	60, 195, 24
RGB Percent	24%, 76%, 9%
CMY	0.7647, 0.2353, 0.9058
CMYK	0.69, 0.00, 0.88, 0.24
HSL	107°, 78%, 43%
HSV	107°, 88%, 76%
XYZ	21.5435, 40.0568, 7.4604
YIQ	135.1410, -25.5690, -81.8010

Conversions

Conversions Part 2

Format	Color
RYB	24, 195, 159
Decimal	3982104
CIELab	69.51, -63.72, 65.59
CIELCh	70, 91.447, 134.171
Yxy	40.0568, 0.3120, 0.5800
Android (android.graphics.Color)	4282172184 (0xFF3CC318)
YUV	135.1410, -54.7925, -65.8987
Hunter-Lab	63.2904, -49.9985, 37.3145

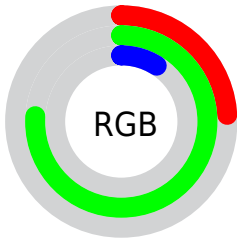
Details

The XYZ color **21.5435, 40.0568, 7.4604** is a dark color, and the websafe version is hex **33CC33**.

The color can be described as dark washed green. A complement of this color would be **24.4783, 11.9663, 52.6514**, and the grayscale version is **23.2869, 24.4996, 26.6801**.

A 20% lighter version of the original color is **45.4909, 75.3908, 21.3868**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **20.6055, 39.5907, 6.6853**, and if you desaturate by 10%, it is **22.8942, 40.7219, 8.9884**.

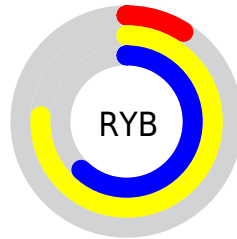
Distribution



Red (24%)

Green (76%)

Blue (9%)



Red (9%)

Yellow (76%)

Blue (62%)

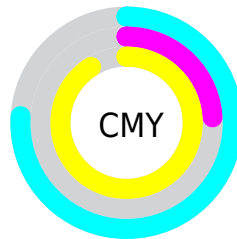


Cyan (69%)

Magenta (0%)

Yellow (88%)

Black (24%)



Cyan (76%)


Magenta (24%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5435, 40.0568, 7.4604 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 21.5435, 40.0568, 7.4604 by changing the saturation by 10% instead.


 21.5435, 40.0568,
7.4604


 21.5435, 40.0568,
7.4604


252.8304,
346.3629, 181.2098


 13.6366, 27.5828,
3.6689


 45.4748, 75.2500,
21.4220

 7.9483, 18.0114,
1.4455


 62.2299, 98.7380,
32.4292

 4.1134, 10.9582,
0.1768


 82.6652, 126.6662,
46.6787

 1.7665, 6.0387,
0.0000

 107.1459,
159.4189, 64.5891

 0.4974, 2.8686,
0.0000

 136.0374,
197.3805, 86.5788

 0.0000, 1.0635,
0.0000

 169.7051,

 0.0000, 0.0000,

240.9355, 113.0665

0.0000

208.5143,
290.4681, 144.4707

■ 21.5435, 40.0568,
7.4604

■ 21.5435, 40.0568,
7.4604

■ 20.6055, 39.5907,
6.6853

■ 22.8942, 40.7219,
8.9884

■ 20.4321, 39.5041,
6.5482

■ 24.7074, 41.6044,
11.4326

■ 27.0248, 42.7246,
14.9075

■ 29.8822, 44.0987,
19.5105

■ 33.3120, 45.7416,
25.3277

■ 37.3441, 47.6671,
32.4368

■ 42.0062, 49.8878,
40.9089

■ 47.3241, 52.4156,
50.8103

■ 53.3223, 55.2619,
62.2025

Harmonies

Analogous

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



31.5479, 40.0568, 2.7623



21.5435, 40.0568, 7.4604



16.7990, 40.0568, 25.0119

Triad

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



21.5435, 40.0568, 7.4604



30.8544, 40.0568, 177.5605



72.6884, 40.0568, 26.6102

Complementary

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



21.5435, 40.0568, 7.4604



24.4783, 11.9663, 52.6514

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.



72.3624, 40.0568, 69.7089



21.5435, 40.0568, 7.4604



45.4405, 40.0568, 179.1144

Square

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



21.5435, 40.0568, 7.4604



21.1493, 40.0568, 128.1307



61.4297, 40.0568, 131.5664



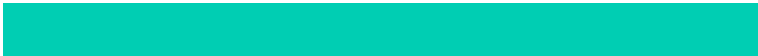
62.2306, 40.0568, 7.9838

Rectangle

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



21.5435, 40.0568, 7.4604



16.2263, 40.0568, 49.7886



61.4297, 40.0568, 131.5664



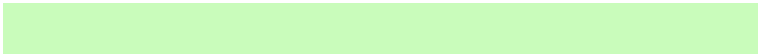
73.9068, 40.0568, 37.9741

Sweetspot

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



21.5444, 40.0585, 7.4613



67.8891, 85.8497, 59.9013



34.8908, 36.1070, 5.9951



14.2694, 18.5152, 12.0488



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.



21.5444, 40.0585, 7.4613



36.4272, 70.6643, 11.7197



21.0776, 39.7000, 12.7616



10.1382, 11.3587, 10.7200



13.3373, 25.7045, 4.2585



0.6354, 1.1411, 0.1868

Inverse Universe

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



24.4783, 11.9663, 52.6514



41.2788, 19.2420, 94.0082



28.0651, 14.3489, 28.7117



10.2831, 10.1371, 12.6995



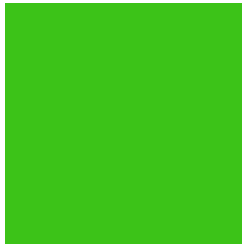
15.1303, 7.0604, 34.1219



0.7070, 0.3325, 1.4768

Previews

White Background



This preview shows how the XYZ color 21.5435, 40.0568, 7.4604 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 21.5435, 40.0568, 7.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

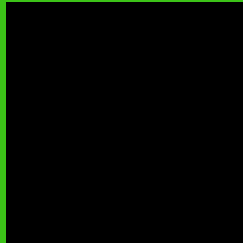
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5435, 40.0568, 7.4604

Background



This preview shows how black text looks on a background with the XYZ color 21.5435, 40.0568, 7.4604.



This preview shows how white text looks on a background with the XYZ color 21.5435, 40.0568,

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

21.5435, 40.0568, 7.4604

Protanopia

35.5024, 39.3548, 6.1405

Deuteranopia

39.9479, 39.1957, 8.1494



Tritanopia

31.5247, 39.6299, 58.2124

Trichromacy



Original Color

21.5435, 40.0568, 7.4604



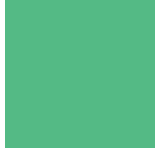
Protanomaly

27.3573, 37.7241, 6.4119



Deuteranomaly

29.0201, 37.1015, 7.5512



Tritanomaly

25.4487, 38.6961, 28.3181

Monochromacy



Original Color

21.5435, 40.0568, 7.4604



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.3069, 28.1283, 15.1855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5435, 40.0568, 7.4604 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(60, 195, 24)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 24)  
}
```

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(60, 195, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 24) }
```

Border

The CSS property to change the border of an element to XYZ 21.5435, 40.0568, 7.4604 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(60, 195, 24) }
```


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

```
.border{ border-color:rgb(60, 195, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 24);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5435, 40.0568, 7.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 24) }
```

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

```
.background{ background-color: rgb(60, 195,  
24) }
```

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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