

Converting Colors

XYZ(45.4116, 76.4806, 13.0495)

Have a look what the booklet for
XYZ(45.4116, 76.4806, 13.0495)
contains.

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Color

**XYZ(45.4020, 76.4760,
13.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	84FF14
RGB	132, 255, 20
RGB Percent	52%, 100%, 8%
CMY	0.4824, 0.0000, 0.9215
CMYK	0.48, 0.00, 0.92, 0.00
HSL	91°, 100%, 54%
HSV	91°, 92%, 100%
XYZ	45.4020, 76.4760, 13.0302
YIQ	191.4330, 2.1270, -99.1610

Conversions

Conversions Part 2

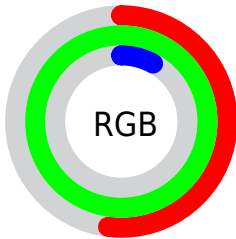
Format	Color
R_{YB}	20, 255, 143
Decimal	8716052
CIE _{Lab}	90.08, -66.39, 84.34
CIE _{LCh}	90, 107.331, 128.208
Yxy	76.4760, 0.3365, 0.5669
Android (android.graphics.Color)	4286906132 (0xFF84FF14)
YUV	191.4330, -84.5165, -52.1227
Hunter-Lab	87.4506, -60.3660, 52.3811

Details

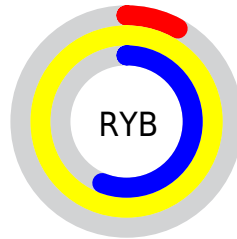
The XYZ color **45.4020, 76.4760, 13.0302** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **29.6324, 13.5629, 95.6638**, and the grayscale version is **50.2498, 52.8667, 57.5719**.

A 20% lighter version of the original color is **60.2127, 83.8712, 24.5705**, and **22.0806, 41.0225, 6.7544** is the 20% darker color. If you saturate the color by 10%, you get **43.7180, 75.6225, 12.2924**, and if you desaturate by 10%, it is **47.9823, 77.7649, 15.0170**.

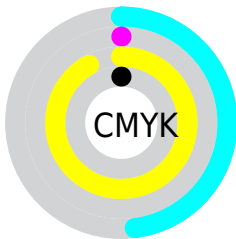
Distribution



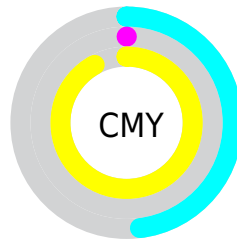
- Red (52%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (56%)



- Cyan (48%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4020, 76.4760, 13.0302 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 45.4020, 76.4760, 13.0302 by changing the saturation by 10% instead.


 45.4020, 76.4760,
13.0302

 45.4020, 76.4760,
13.0302


359.1556,
482.9756, 222.3257

 31.9768, 56.8229,
7.3184


 82.5567, 128.3995,
32.0500


 21.4992, 40.8631,
3.5805


 107.0169,
161.4388, 46.1951


 13.6040, 28.2121,
1.3982


 135.8861,
199.7088, 63.9883

 7.9256, 18.4856,
0.1403

 169.5298,
243.5941, 85.8482

 4.0988, 11.2992,
0.0000

 208.3132,
293.4791, 112.1934

 1.7582, 6.2685,
0.0000

 252.6018,

 0.4923, 3.0090,

349.7480, 143.4423

0.0000

302.7608,
412.7854, 180.0136

■ 0.0000, 1.1364,
0.0000

■ 0.0000, 0.0088,
0.0000

■ 45.4020, 76.4760,
13.0302

■ 45.4020, 76.4760,
13.0302

■ 43.7180, 75.6225,
12.2924

■ 47.9823, 77.7649,
15.0170

■ 51.1360, 79.3151,
18.5794

■ 54.9185, 81.1499,
23.9621

■ 59.3767, 83.2889,
31.3669

64.5521, 85.7497,
40.9688

70.4821, 88.5483,
52.9239

77.2013, 91.6993,
67.3741

84.7419, 95.2165,
84.4501

93.1339, 99.1126,
104.2733

Harmonies

Analogous

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



65.6226, 76.4760, 6.1327



45.4020, 76.4760, 13.0302



34.7654, 76.4760, 39.8418

Triad

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



45.4020, 76.4760, 13.0302



55.2930, 76.4760, 307.0363



136.0339, 76.4760, 64.0450

Complementary

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



45.4020, 76.4760, 13.0302



29.6324, 13.5629, 95.6638

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.



131.3301, 76.4760, 150.4102



45.4020, 76.4760, 13.0302



80.2435, 76.4760, 328.9587

Square

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



45.4020, 76.4760, 13.0302



39.4290, 76.4760, 210.8360



109.1677, 76.4760, 259.7447



120.7851, 76.4760, 21.5260

Rectangle

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



45.4020, 76.4760, 13.0302



32.5905, 76.4760, 78.7682



109.1677, 76.4760, 259.7447



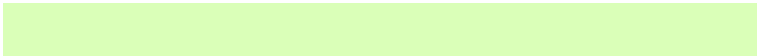
136.7935, 76.4760, 87.9388

Sweetspot

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



45.4022, 76.4761, 13.0314



73.1713, 89.8116, 58.6067



50.9546, 40.4868, 5.7921



15.0634, 18.9423, 11.2806



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.



45.4022, 76.4761, 13.0314



43.7180, 75.6225, 12.2924



36.2132, 71.7347, 12.7984



18.5950, 20.5927, 19.1390



23.0134, 39.6019, 6.4310



2.3659, 3.9204, 0.6320

Inverse Universe

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



29.6324, 13.5629, 95.6638



27.7991, 12.2458, 95.5063



58.9164, 28.7315, 93.7765



17.9104, 17.8456, 22.7505



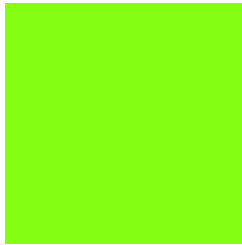
14.6994, 6.4883, 49.9122



1.5574, 0.6968, 4.8657

Previews

White Background



This preview shows how the XYZ color 45.4020, 76.4760, 13.0302 looks on a white background.

Color Contrast Check

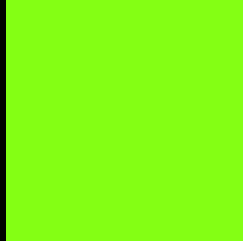
Large Text (above 18pt) WCAG AA × Fail

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 45.4020, 76.4760, 13.0302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

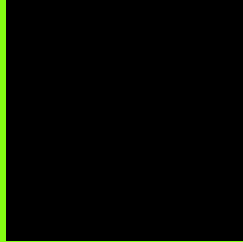
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4020, 76.4760, 13.0302

Background



This preview shows how black text looks on a background with the XYZ color 45.4020, 76.4760, 13.0302.



This preview shows how white text looks on a background with the XYZ color 45.4020, 76.4760,

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

45.4020, 76.4760, 13.0302

Protanopia

68.0694, 75.4635, 10.9783

Deuteranopia

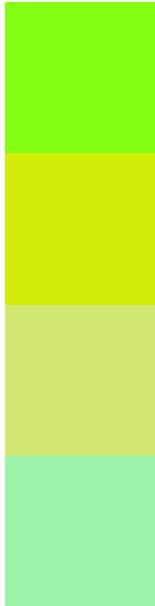
73.8272, 74.8253, 48.5818



Tritanopia

64.4826, 76.1132, 105.9005

Trichromacy



Original Color

45.4020, 76.4760, 13.0302

Protanomaly

56.9009, 74.2854, 11.5405

Deuteranomaly

58.5295, 72.6527, 27.1582

Tritanomaly

53.1240, 74.5722, 49.6242

Monochromacy



Original Color

45.4020, 76.4760, 13.0302

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

44.5866, 58.2242, 29.6573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4020, 76.4760, 13.0302 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(132, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 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(132, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 20) }
```

Border

The CSS property to change the border of an element to XYZ 45.4020, 76.4760, 13.0302 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(132, 255, 20) }
```


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

```
.border{ border-color:rgb(132, 255, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4020, 76.4760, 13.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 20) }
```

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

```
.background{ background-color: rgb(132,  
255, 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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