

Converting Colors

XYZ(45.2032, 76.3703, 13.1678)

Have a look what the booklet for
XYZ(45.2032, 76.3703, 13.1678)
contains.

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Color

**XYZ(45.2747, 76.4072,
13.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF17
RGB	131, 255, 23
RGB Percent	51%, 100%, 9%
CMY	0.4863, 0.0000, 0.9097
CMYK	0.49, 0.00, 0.91, 0.00
HSL	92°, 100%, 55%
HSV	92°, 91%, 100%
XYZ	45.2747, 76.4072, 13.1724
YIQ	191.4760, 0.5680, -98.4400

Conversions

Conversions Part 2

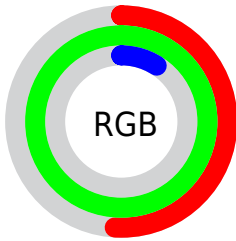
Format	Color
RYB	23, 255, 147
Decimal	8650519
CIELab	90.05, -66.61, 83.93
CIELCh	90, 107.150, 128.440
Yxy	76.4072, 0.3357, 0.5666
Android (android.graphics.Color)	4286840599 (0xFF83FF17)
YUV	191.4760, -83.0587, -53.0375
Hunter-Lab	87.4112, -60.5154, 52.2532

Details

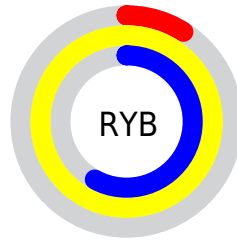
The XYZ color **45.2747, 76.4072, 13.1724** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **30.3933, 14.0386, 95.7156**, and the grayscale version is **50.2671, 52.8849, 57.5916**.

A 20% lighter version of the original color is **60.0045, 83.7583, 24.8088**, and **21.9529, 40.9566, 6.7484** is the 20% darker color. If you saturate the color by 10%, you get **43.3258, 75.4203, 12.2741**, and if you desaturate by 10%, it is **47.9162, 77.7239, 15.3297**.

Distribution



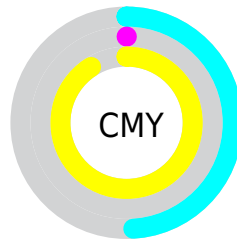
- Red (51%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (58%)



- Cyan (49%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2747, 76.4072, 13.1724 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 45.2747, 76.4072, 13.1724 by changing the saturation by 10% instead.


 45.2747, 76.4072,
13.1724


 45.2747, 76.4072,
13.1724


358.6500,
482.7405, 223.2661


 31.8761, 56.7665,
7.4152


 82.3670, 128.3023,
32.3089


 21.4219, 40.8178,
3.6408


 106.7914,
161.3255, 46.5253


 13.5470, 28.1767,
1.4304


 135.6217,
199.5784, 64.3985

 7.8859, 18.4589,
0.1653

 169.2233,
243.4452, 86.3471

 4.0732, 11.2800,
0.0000

 207.9616,
293.3104, 112.7897

 1.7436, 6.2555,
0.0000

 252.2019,

 0.4833, 3.0010,

349.5584, 144.1446

0.0000

302.3096,
412.5737, 180.8306

■ 0.0000, 1.1323,
0.0000

■ 0.0000, 0.0053,
0.0000

■ 45.2747, 76.4072,
13.1724

■ 45.2747, 76.4072,
13.1724

■ 43.3258, 75.4203,
12.2741

■ 47.9162, 77.7239,
15.3297

■ 51.1486, 79.3102,
19.0948

■ 55.0265, 81.1892,
24.7062

■ 59.5967, 83.3805,
32.3619

■ 64.9007, 85.9018,
42.2345

■ 70.9761, 88.7691,
54.4783

■ 77.8578, 91.9973,
69.2337

■ 85.5781, 95.6002,
86.6302

■ 94.1674, 99.5908,
106.7884

Harmonies

Analogous

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



65.3818, 76.4072, 6.1779



45.2747, 76.4072, 13.1724



34.7278, 76.4072, 40.1906

Triad

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



45.2747, 76.4072, 13.1724



55.4259, 76.4072, 306.8309



135.7590, 76.4072, 63.5204

Complementary

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



45.2747, 76.4072, 13.1724



30.3933, 14.0386, 95.7156

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.



131.2273, 76.4072, 149.3472



45.2747, 76.4072, 13.1724



80.3795, 76.4072, 327.9442

Square

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



45.2747, 76.4072, 13.1724



39.5163, 76.4072, 211.2769



109.2249, 76.4072, 258.3855



120.4180, 76.4072, 21.3693

Rectangle

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



45.2747, 76.4072, 13.1724



32.5994, 76.4072, 79.2761



109.2249, 76.4072, 258.3855



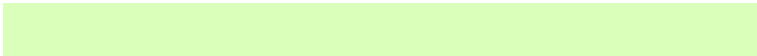
136.5712, 76.4072, 87.2399

Sweetspot

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



45.2748, 76.4072, 13.1735



73.6114, 90.0074, 60.0315



51.7887, 42.1095, 6.2101



15.2694, 19.0367, 11.8224



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.



45.2748, 76.4072, 13.1735



43.3258, 75.4203, 12.2741



36.3579, 71.8000, 13.2219



18.5753, 20.5825, 19.1381



22.8072, 39.4956, 6.4214



2.3453, 3.9098, 0.6311

Inverse Universe

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



30.3933, 14.0386, 95.7156



28.2531, 12.4799, 95.5275



58.3766, 28.6055, 90.6568



17.9303, 17.8558, 22.7514



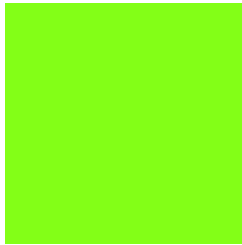
14.9371, 6.6108, 49.9233



1.5805, 0.7087, 4.8668

Previews

White Background



This preview shows how the XYZ color 45.2747, 76.4072, 13.1724 looks on a white background.

Color Contrast Check

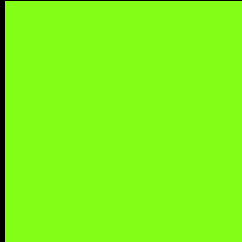
Large Text (above 18pt) WCAG AA × Fail

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 45.2747, 76.4072, 13.1724 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 45.2747, 76.4072, 13.1724

Background



This preview shows how black text looks on a background with the XYZ color 45.2747, 76.4072, 13.1724.



This preview shows how white text looks on a background with the XYZ color 45.2747, 76.4072,

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

45.2747, 76.4072, 13.1724

Protanopia

67.7983, 74.9213, 10.8879

Deuteranopia

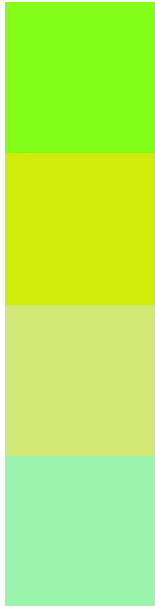
73.7329, 74.7876, 48.0854



Tritanopia

64.2705, 76.0039, 105.8905

Trichromacy



Original Color

45.2747, 76.4072, 13.1724

Protanomaly

56.3338, 73.5637, 11.4598

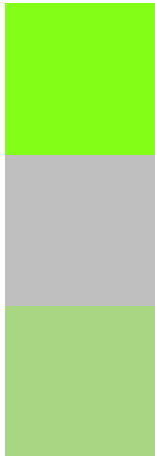
Deuteranomaly

58.5873, 72.6758, 27.4630

Tritanomaly

53.0278, 74.5117, 50.1154

Monochromacy



Original Color

45.2747, 76.4072, 13.1724

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

44.4380, 58.1399, 29.9991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2747, 76.4072, 13.1724 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(131, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 23)  
}
```

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(131, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 23) }
```

Border

The CSS property to change the border of an element to XYZ 45.2747, 76.4072, 13.1724 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(131, 255, 23) }
```


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

```
.border{ border-color:rgb(131, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2747, 76.4072, 13.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 23) }
```

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

```
.background{ background-color: rgb(131,  
255, 23) }
```

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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