

Converting Colors

XYZ(65.5388, 116.8024,
29.1576)

Have a look what the booklet for
XYZ(65.5388, 116.8024, 29.1576)
contains.

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Color

**XYZ(45.2995, 76.2146,
22.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF5C
RGB	119, 255, 92
RGB Percent	47%, 100%, 36%
CMY	0.5333, 0.0000, 0.6392
CMYK	0.53, 0.00, 0.64, 0.00
HSL	110°, 100%, 68%
HSV	110°, 64%, 100%
XYZ	45.2995, 76.2146, 22.4486
YIQ	195.7540, -28.7330, -79.5250

Conversions

Conversions Part 2

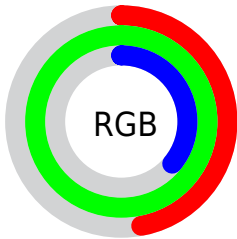
Format	Color
RYB	92, 255, 228
Decimal	7864156
CIELab	89.96, -66.16, 64.54
CIElCh	90, 92.422, 135.711
Yxy	76.2146, 0.3147, 0.5294
Android (android.graphics.Color)	4286054236 (0xFF77FF5C)
YUV	195.7540, -51.1507, -67.3133
Hunter-Lab	87.3010, -60.1550, 45.8648

Details

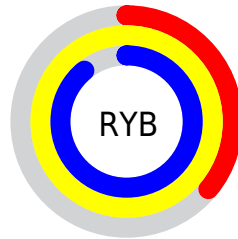
The XYZ color **45.2995, 76.2146, 22.4486** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **53.8741, 31.3700, 97.8233**, and the grayscale version is **52.6311, 55.3720, 60.3001**.

A 20% lighter version of the original color is **60.1614, 83.4819, 40.9598**, and **21.4195, 40.6546, 7.9465** is the 20% darker color. If you saturate the color by 10%, you get **41.7656, 74.5007, 17.4115**, and if you desaturate by 10%, it is **49.8626, 78.4158, 29.4935**.

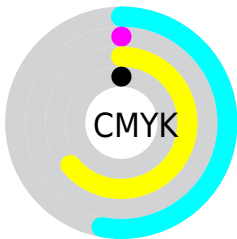
Distribution



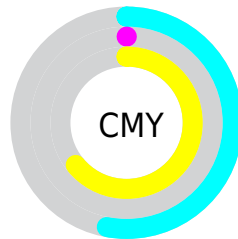
- Red (47%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2995, 76.2146, 22.4486 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 45.2995, 76.2146, 22.4486 by changing the saturation by 10% instead.


 45.2995, 76.2146,
22.4486

 45.2995, 76.2146,
22.4486


358.7485,
482.0820, 277.9096


 31.8957, 56.6085,
13.9854


 82.4040, 128.0302,
48.3980


 21.4370, 40.6910,
7.9719


 106.8353,
161.0085, 66.7213

 13.5581, 28.0777,
3.9895

 135.6732,
199.2130, 89.1684

 7.8936, 18.3843,
1.6196

 169.2830,
243.0280, 116.1578

 4.0782, 11.2262,
0.3047

208.0301,
292.8381, 148.1081

 1.7464, 6.2192,
0.0000

252.2798,

 0.4851, 2.9788,

349.0275, 185.4378

0.0000

302.3975,
411.9807, 228.5655

0.0000, 1.1207,
0.0000

0.0000, 0.0000,
0.0000

45.2995, 76.2146,
22.4486

45.2995, 76.2146,
22.4486

41.7656, 74.5007,
17.4115

49.8626, 78.4158,
29.4935

39.1765, 73.2350,
14.1693


55.5281, 81.1381,
38.7232


37.4348, 72.3730,
12.4674

62.3632, 84.4125,
50.2994

36.7244, 72.0172,
11.9651

70.4294, 88.2678,
64.3674

 79.7840, 92.7304,
81.0608

 90.4804, 97.8254,
100.5037

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



61.1718, 76.2146, 11.2033



45.2995, 76.2146, 22.4486



37.6340, 76.2146, 55.6199

Triad

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



45.2995, 76.2146, 22.4486



62.1189, 76.2146, 274.6493



123.5558, 76.2146, 53.3383

Complementary

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



45.2995, 76.2146, 22.4486



53.8741, 31.3700, 97.8233

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.



123.9597, 76.2146, 118.1121



45.2995, 76.2146, 22.4486



85.0128, 76.2146, 272.8557

Square

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



45.2995, 76.2146, 22.4486



45.8665, 76.2146, 209.7321



108.7001, 76.2146, 205.6559



107.6912, 76.2146, 21.5363

Rectangle

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



45.2995, 76.2146, 22.4486



36.9007, 76.2146, 96.1602



108.7001, 76.2146, 205.6559



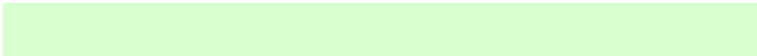
125.6009, 76.2146, 71.0713

Sweetspot

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



45.2998, 76.2148, 22.4498



74.8670, 90.3857, 72.2437



70.8698, 77.4284, 21.3364



15.4642, 19.0788, 14.4662



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.



45.2998, 76.2148, 22.4498



40.8715, 74.0649, 16.2320



45.3887, 75.8814, 39.5860



18.0518, 20.3126, 19.1136



19.2710, 37.6726, 6.2559



1.9516, 3.7068, 0.6126

Inverse Universe

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



53.8741, 31.3700, 97.8233



49.8677, 25.9177, 96.9820



55.5712, 33.1167, 58.5173



18.4800, 18.1392, 22.7772



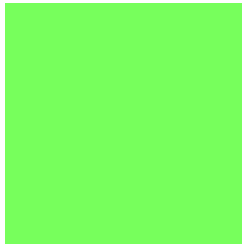
23.8439, 11.2025, 50.3402



2.3966, 1.1294, 4.9050

Previews

White Background



This preview shows how the XYZ color 45.2995, 76.2146, 22.4486 looks on a white background.

Color Contrast Check

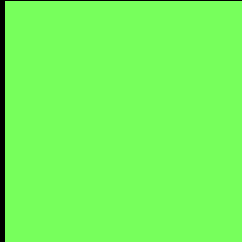
Large Text (above 18pt) WCAG AA × Fail

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 45.2995, 76.2146, 22.4486 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 45.2995, 76.2146, 22.4486

Background



This preview shows how black text looks on a background with the XYZ color 45.2995, 76.2146, 22.4486.



This preview shows how white text looks on a background with the XYZ color 45.2995, 76.2146, 22.4486.

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

45.2995, 76.2146, 22.4486

Protanopia

68.2702, 74.9842, 19.0588

Deuteranopia

74.0179, 74.9016, 49.5860



Tritanopia

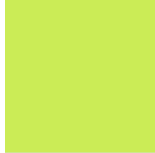
63.0321, 75.3654, 105.8326

Trichromacy



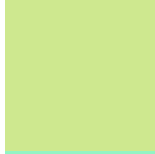
Original Color

45.2995, 76.2146, 22.4486



Protanomaly

56.3038, 73.3593, 19.9963



Deuteranomaly

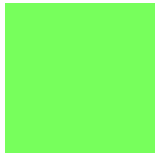
59.2681, 72.8182, 36.9182



Tritanomaly

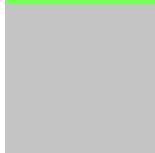
54.1685, 74.7979, 63.8070

Monochromacy



Original Color

45.2995, 76.2146, 22.4486



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.1329, 60.4192, 41.5257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2995, 76.2146, 22.4486 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(119, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 92)  
}
```

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(119, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 45.2995, 76.2146, 22.4486 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(119, 255, 92) }
```


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

```
.border{ border-color:rgb(119, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2995, 76.2146, 22.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 92) }
```

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

```
.background{ background-color: rgb(119,  
255, 92) }
```

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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