

Converting Colors

XYZ(45.4595, 76.0069, 35.5674)

Have a look what the booklet for
XYZ(45.4595, 76.0069, 35.5674)
contains.

XYZ(45.4595, 76.0069, 35.5674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.4595, 76.0069,
35.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	64FF88
RGB	100, 255, 136
RGB Percent	39%, 100%, 53%
CMY	0.6078, 0.0000, 0.4667
CMYK	0.61, 0.00, 0.47, 0.00
HSL	134°, 100%, 70%
HSV	134°, 61%, 100%
XYZ	45.4595, 76.0069, 35.5674
YIQ	195.0890, -54.1810, -69.8690

Conversions

Conversions Part 2

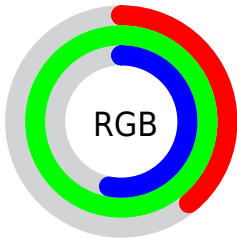
Format	Color
RYB	100, 226, 255
Decimal	6619016
CIELab	89.86, -65.28, 44.78
CIELCh	90, 79.167, 145.552
Yxy	76.0069, 0.2895, 0.4840
Android (android.graphics.Color)	4284809096 (0xFF64FF88)
YUV	195.0890, -29.1309, -83.3931
Hunter-Lab	87.1819, -59.4927, 36.8390

Details

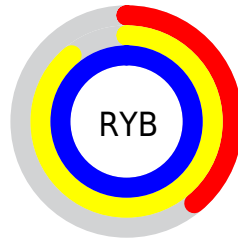
The XYZ color **45.4595, 76.0069, 35.5674** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.5834, 35.4892, 70.7794**, and the grayscale version is **52.1162, 54.8303, 59.7102**.

A 20% lighter version of the original color is **60.2682, 83.0681, 62.1475**, and **21.5665, 40.5726, 15.0821** is the 20% darker color. If you saturate the color by 10%, you get **41.8001, 74.2668, 28.7851**, and if you desaturate by 10%, it is **50.2562, 78.3040, 43.7319**.

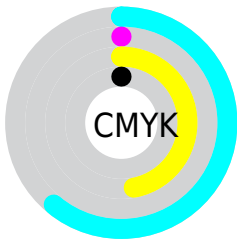
Distribution



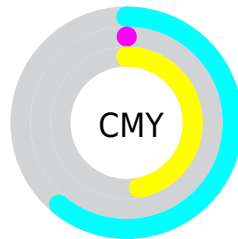
- Red (39%)
- Green (100%)
- Blue (53%)



- Red (39%)
- Yellow (89%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4595, 76.0069, 35.5674 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 45.4595, 76.0069, 35.5674 by changing the saturation by 10% instead.


 45.4595, 76.0069,
35.5674


 45.4595, 76.0069,
35.5674


359.3838,
481.3713, 342.0458

 32.0223, 56.4382,
23.8132


 82.6423, 127.7367,
69.5253

 21.5342, 40.5543,
14.9842


 107.1187,
160.6665, 92.5662

 13.6297, 27.9710,
8.6618


 136.0055,
198.8188, 120.2064

 7.9436, 18.3038,
4.4275

169.6682,
242.5779, 152.8644

 4.1103, 11.1683,
1.8627

208.4720,
292.3284, 190.9588

 1.7648, 6.1802,
0.4688


252.7823,

 0.4963, 2.9549,


348.4545, 234.9082


0.0000


302.9644,
411.3407, 285.1310


 0.0000, 1.1083,
0.0000


 0.0000, 0.0000,
0.0000


 45.4595, 76.0069,
35.5674


 45.4595, 76.0069,
35.5674

 41.8001, 74.2668,
28.7851


 50.2562, 78.3040,
43.7319


 39.1774, 73.0333,
23.3044


 56.2763, 81.2009,
53.3459


 37.4741, 72.2478,
19.0417


 63.5986, 84.7369,
64.4765

 36.5554, 71.8381,
16.1083

 72.2952, 88.9478,
77.1857

 82.4325, 93.8668,
91.5318

 94.0728, 99.5246,
107.5704

 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.



57.2071, 76.0069, 18.6631



45.4595, 76.0069, 35.5674



40.8648, 76.0069, 74.6848

Triad

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



45.4595, 76.0069, 35.5674



69.3652, 76.0069, 243.2411



111.7529, 76.0069, 44.4578

Complementary

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



45.4595, 76.0069, 35.5674



58.5834, 35.4892, 70.7794

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.



116.5886, 76.0069, 91.3943



45.4595, 76.0069, 35.5674



89.7048, 76.0069, 222.8909

Square

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



45.4595, 76.0069, 35.5674



52.9919, 76.0069, 207.1119



107.8977, 76.0069, 159.8402



95.6674, 76.0069, 21.9315

Rectangle

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



45.4595, 76.0069, 35.5674



41.7351, 76.0069, 115.1187



107.8977, 76.0069, 159.8402



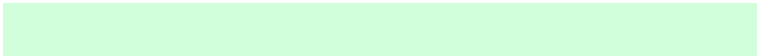
114.8589, 76.0069, 57.1137

Sweetspot

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



45.4599, 76.0071, 35.5686



74.9694, 90.2446, 81.0120



68.0063, 87.8779, 25.4349



15.4487, 19.0262, 16.4844



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.



45.4599, 76.0071, 35.5686



41.1331, 73.9515, 27.4607



52.7842, 78.9368, 74.1375



17.9444, 20.2373, 20.0102



19.1480, 37.5558, 8.6644



1.9042, 3.6726, 1.0533

Inverse Universe

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



58.5834, 35.4892, 70.7794



55.2127, 30.2393, 65.0576



50.8252, 32.3859, 29.9251



18.6016, 18.2239, 21.7850



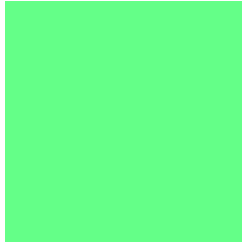
26.8018, 13.2100, 28.6705



2.6513, 1.3029, 3.0112

Previews

White Background



This preview shows how the XYZ color 45.4595, 76.0069, 35.5674 looks on a white background.

Color Contrast Check

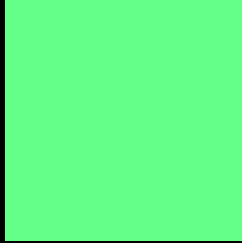
Large Text (above 18pt) WCAG AA × Fail

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 45.4595, 76.0069, 35.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

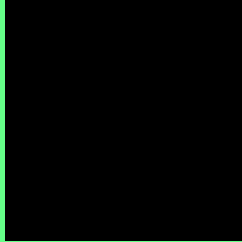
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4595, 76.0069, 35.5674

Background



This preview shows how black text looks on a background with the XYZ color 45.4595, 76.0069, 35.5674.



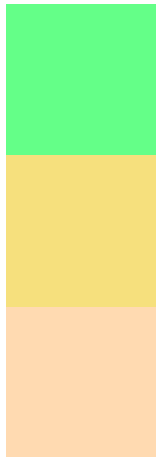
This preview shows how white text looks on a background with the XYZ color 45.4595, 76.0069,

35.5674.

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

45.4595, 76.0069, 35.5674

Protanopia

68.3634, 74.3848, 30.1566

Deuteranopia

74.2472, 74.5771, 52.0765



Tritanopia

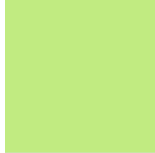
61.7614, 75.1414, 105.8563

Trichromacy



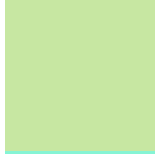
Original Color

45.4595, 76.0069, 35.5674



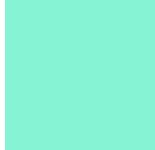
Protanomaly

55.6631, 72.3391, 31.7980



Deuteranomaly

58.6507, 71.9026, 44.9698



Tritanomaly

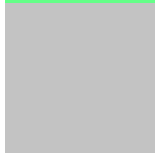
54.0659, 74.5232, 73.8222

Monochromacy



Original Color

45.4595, 76.0069, 35.5674



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

46.9500, 60.1553, 49.1810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4595, 76.0069, 35.5674 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(100, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 136)  
}
```

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(100, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 45.4595, 76.0069, 35.5674 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(100, 255, 136) }
```


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

```
.border{ border-color:rgb(100, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4595, 76.0069, 35.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 136) }
```

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

```
.background{ background-color: rgb(100,  
255, 136) }
```

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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