

Converting Colors

XYZ(46.5881, 76.3034, 34.2442)

Have a look what the booklet for
XYZ(46.5881, 76.3034, 34.2442)
contains.

XYZ(46.4167, 76.0603, 34.0645)	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(46.4167, 76.0603,
34.0645)**

Conversions

Conversions Part 1

Format	Color
Hex	71FE84
RGB	113, 254, 132
RGB Percent	44%, 100%, 52%
CMY	0.5569, 0.0039, 0.4823
CMYK	0.56, 0.00, 0.48, 0.00
HSL	128°, 99%, 72%
HSV	128°, 56%, 100%
XYZ	46.4167, 76.0603, 34.0645
YIQ	197.9330, -44.8740, -67.8340

Conversions

Conversions Part 2

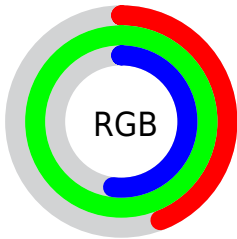
Format	Color
RYB	113, 237, 254
Decimal	7470724
CIELab	89.89, -62.67, 46.79
CIELCh	90, 78.208, 143.251
Yxy	76.0603, 0.2965, 0.4859
Android (android.graphics.Color)	4285660804 (0xFF71FE84)
YUV	197.9330, -32.5050, -74.4862
Hunter-Lab	87.2126, -57.6198, 37.8906

Details

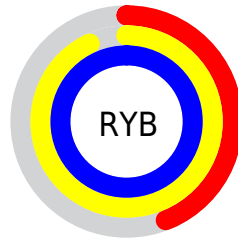
The XYZ color **46.4167, 76.0603, 34.0645** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **61.7758, 38.8805, 82.8478**, and the grayscale version is **53.8482, 56.6525, 61.6946**.

A 20% lighter version of the original color is **62.1852, 84.1065, 59.9704**, and **22.0657, 40.5158, 14.0545** is the 20% darker color. If you saturate the color by 10%, you get **42.2460, 74.0683, 26.8293**, and if you desaturate by 10%, it is **51.8222, 78.6567, 43.0144**.

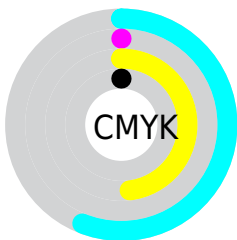
Distribution



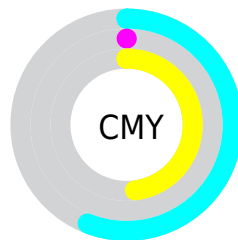
- Red (44%)
- Green (100%)
- Blue (52%)



- Red (44%)
- Yellow (93%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4167, 76.0603, 34.0645 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 46.4167, 76.0603, 34.0645 by changing the saturation by 10% instead.


 46.4167, 76.0603,
34.0645

 46.4167, 76.0603,
34.0645


363.1693,
481.5541, 335.1975


 32.7808, 56.4820,
22.6654


 84.0663, 127.8121,
67.1690

 22.1170, 40.5895,
14.1437


 108.8108,
160.7544, 89.7115

 14.0600, 27.9984,
8.0808


 137.9887,
198.9201, 116.8055

 8.2444, 18.3245,
4.0582

171.9656,
242.6937, 148.8696

 4.3048, 11.1832,
1.6573

211.1068,
292.4595, 186.3223

 1.8760, 6.1902,
0.3312

255.7775,

 0.5628, 2.9611,

348.6019, 229.5821

0.0000

306.3433,
411.5053, 279.0677

0.0000, 1.1114,
0.0000

0.0000, 0.0000,
0.0000

46.4167, 76.0603,
34.0645

46.4167, 76.0603,
34.0645

42.2460, 74.0683,
26.8293

51.8222, 78.6567,
43.0144

39.2060, 72.6226,
21.1943


58.5446, 81.8910,
53.7735


37.1846, 71.6705,
17.0392

66.6654, 85.8056,
66.4356

36.0431, 71.1431,
14.2245

76.2579, 90.4364,
81.0864

 35.7354, 71.0035,
13.3525

 87.3902, 95.8167,
97.8065

94.7333, 99.3667,
108.7944

Harmonies

Analogous

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



58.5923, 76.0603, 18.4676



46.4167, 76.0603, 34.0645



41.3112, 76.0603, 70.9286

Triad

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



46.4167, 76.0603, 34.0645



68.0132, 76.0603, 239.8529



112.0957, 76.0603, 47.5055

Complementary

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



46.4167, 76.0603, 34.0645



61.7758, 38.8805, 82.8478

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.



115.8351, 76.0603, 95.9641



46.4167, 76.0603, 34.0645



87.9786, 76.0603, 224.1436

Square

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



46.4167, 76.0603, 34.0645



52.2598, 76.0603, 200.7203



106.3464, 76.0603, 164.2116



96.8854, 76.0603, 23.4592

Rectangle

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



46.4167, 76.0603, 34.0645



41.8174, 76.0603, 109.6879



106.3464, 76.0603, 164.2116



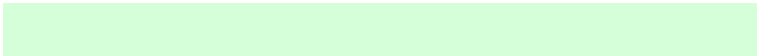
114.8356, 76.0603, 60.7370

Sweetspot

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



46.4186, 76.0635, 34.0662



75.3991, 90.5005, 79.4761



72.7524, 89.7759, 29.1171



15.7059, 19.1619, 16.3534



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.



46.4186, 76.0635, 34.0662



42.0926, 74.4770, 26.1151



52.9501, 78.6761, 68.4609



17.8712, 20.2080, 19.6248



18.8693, 37.4443, 7.1970



1.8664, 3.6575, 0.8543

Inverse Universe

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



61.7758, 38.8805, 82.8478



58.9840, 33.4488, 79.6730



53.5445, 35.5880, 39.5025



18.6811, 18.2558, 22.2040



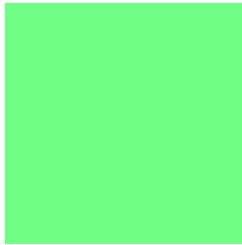
28.3837, 13.8428, 37.0009



2.7915, 1.3590, 3.7496

Previews

White Background



This preview shows how the XYZ color 46.4167, 76.0603, 34.0645 looks on a white background.

Color Contrast Check

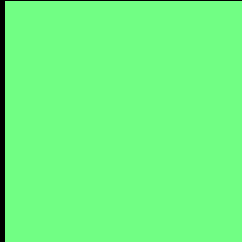
Large Text (above 18pt) WCAG AA × Fail

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 46.4167, 76.0603, 34.0645 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 46.4167, 76.0603, 34.0645

Background



This preview shows how black text looks on a background with the XYZ color 46.4167, 76.0603, 34.0645.

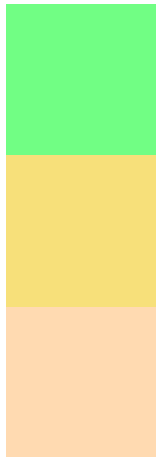


This preview shows how white text looks on a background with the XYZ color 46.4167, 76.0603,

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

46.4167, 76.0603, 34.0645

Protanopia

68.5263, 74.4906, 29.1788

Deuteranopia

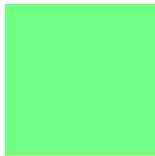
74.2472, 74.5771, 52.0765



Tritanopia

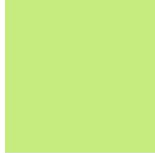
62.5292, 75.5372, 105.8922

Trichromacy



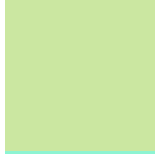
Original Color

46.4167, 76.0603, 34.0645



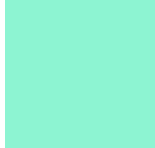
Protanomaly

56.7629, 72.9288, 30.8236



Deuteranomaly

59.6375, 72.4215, 44.5537



Tritanomaly

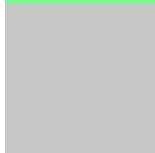
54.9680, 75.0172, 72.5554

Monochromacy



Original Color

46.4167, 76.0603, 34.0645



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.6477, 61.4143, 49.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4167, 76.0603, 34.0645 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(113, 254, 132)` looks like.

```
.text, #text, p{  
    color:rgb(113, 254, 132)  
}
```

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(113, 254, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 254, 132) }
```

Border

The CSS property to change the border of an element to XYZ 46.4167, 76.0603, 34.0645 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(113, 254, 132) }
```


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

```
.border{ border-color:rgb(113, 254, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 254, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 254, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 254, 132);  
box-shadow:4px 4px 4px 4px rgb(113, 254,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4167, 76.0603, 34.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 254, 132) }
```

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

```
.background{ background-color: rgb(113,  
254, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor