

Converting Colors

XYZ(46.0877, 76.2193, 40.6313)

Have a look what the booklet for
XYZ(46.0877, 76.2193, 40.6313)
contains.

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Color

**XYZ(46.1146, 76.2313,
40.7174)**

Conversions

Conversions Part 1

Format	Color
Hex	61FF95
RGB	97, 255, 149
RGB Percent	38%, 100%, 58%
CMY	0.6196, 0.0000, 0.4157
CMYK	0.62, 0.00, 0.42, 0.00
HSL	140°, 100%, 69%
HSV	140°, 62%, 100%
XYZ	46.1146, 76.2313, 40.7174
YIQ	195.6740, -60.1420, -66.4620

Conversions

Conversions Part 2

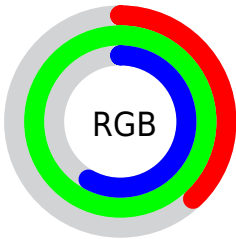
Format	Color
RYB	97, 216, 255
Decimal	6422421
CIELab	89.97, -63.86, 38.61
CIELCh	90, 74.628, 148.844
Yxy	76.2313, 0.2828, 0.4675
Android (android.graphics.Color)	4284612501 (0xFF61FF95)
YUV	195.6740, -23.0103, -86.5371
Hunter-Lab	87.3105, -58.5155, 33.4674

Details

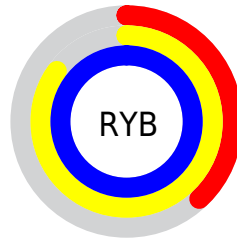
The XYZ color **46.1146, 76.2313, 40.7174** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.2944, 34.1217, 60.1188**, and the grayscale version is **52.4334, 55.1640, 60.0736**.

A 20% lighter version of the original color is **61.3570, 83.4567, 70.0016**, and **22.1239, 40.7956, 18.0175** is the 20% darker color. If you saturate the color by 10%, you get **42.5533, 74.5418, 33.9376**, and if you desaturate by 10%, it is **50.7505, 78.4516, 48.5973**.

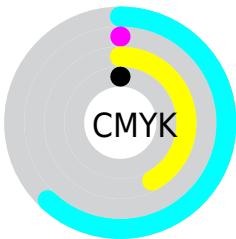
Distribution



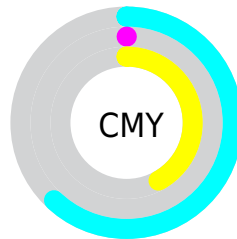
- Red (38%)
- Green (100%)
- Blue (58%)



- Red (38%)
- Yellow (85%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1146, 76.2313, 40.7174 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 46.1146, 76.2313, 40.7174 by changing the saturation by 10% instead.


 46.1146, 76.2313,
40.7174


 46.1146, 76.2313,
40.7174


361.9774,
482.1391, 364.7797


 32.5413, 56.6222,
27.7803


 83.6173, 128.0538,
77.5037

 21.9328, 40.7020,
17.9225


 108.2774,
161.0360, 102.1900

 13.9239, 28.0863,
10.7255


 137.3637,
199.2447, 131.6298

 8.1491, 18.3907,
5.7707

171.2418,
243.0642, 166.2416

 4.2431, 11.2309,
2.6397

210.2768,
292.8791, 206.4439

 1.8406, 6.2223,
0.9128


254.8342,

 0.5419, 2.9807,


349.0735, 252.6554


0.0000


305.2792,
412.0321, 305.2944


 0.0000, 1.1217,
0.0000


 0.0000, 0.0000,
0.0000


 46.1146, 76.2313,
40.7174


 46.1146, 76.2313,
40.7174


 42.5533, 74.5418,
33.9376


 50.7505, 78.4516,
48.5973


 39.9692, 73.3338,
28.2041

 56.5432, 81.2441,
57.6202

 38.2484, 72.5499,
23.4640

 63.5683, 84.6470,
67.8311

 37.3573, 72.1589,
20.3315

 71.8946, 88.6948,
79.2716

■ 81.5855, 93.4193,
91.9810

■ 92.7001, 98.8504,
105.9970

■ 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.



56.6372, 76.2313, 21.9846



46.1146, 76.2313, 40.7174



42.4323, 76.2313, 80.9678

Triad

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



46.1146, 76.2313, 40.7174



71.7414, 76.2313, 231.8774



108.2291, 76.2313, 42.9684

Complementary

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



46.1146, 76.2313, 40.7174



56.2944, 34.1217, 60.1188

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.



114.0795, 76.2313, 85.0719



46.1146, 76.2313, 40.7174



90.9749, 76.2313, 207.7753

Square

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



46.1146, 76.2313, 40.7174



55.5906, 76.2313, 204.0152



107.2955, 76.2313, 147.5300



92.4270, 76.2313, 22.8418

Rectangle

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



46.1146, 76.2313, 40.7174



43.7736, 76.2313, 120.3802



107.2955, 76.2313, 147.5300



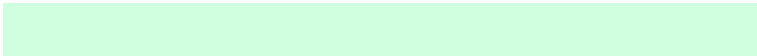
111.5323, 76.2313, 54.2943

Sweetspot

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



46.1151, 76.2316, 40.7187



74.6180, 90.0212, 82.8993



63.0857, 85.3576, 24.4606



15.4076, 18.9937, 16.9931



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.



46.1151, 76.2316, 40.7187



41.9501, 74.2579, 32.6844



54.4222, 79.5544, 84.4630



18.0181, 20.2668, 20.3981



19.5810, 37.7290, 10.9449



1.9545, 3.6927, 1.3183

Inverse Universe

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



56.2944, 34.1217, 60.1188



52.8197, 29.0371, 53.2114



49.2788, 31.3154, 23.1753



18.5235, 18.1927, 21.3740



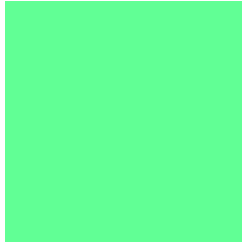
25.4652, 12.6754, 21.6321



2.5299, 1.2543, 2.3721

Previews

White Background



This preview shows how the XYZ color 46.1146, 76.2313, 40.7174 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 46.1146, 76.2313, 40.7174 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 46.1146, 76.2313, 40.7174

Background



This preview shows how black text looks on a background with the XYZ color 46.1146, 76.2313, 40.7174.

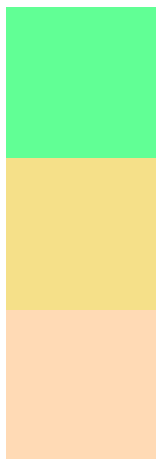


This preview shows how white text looks on a background with the XYZ color 46.1146, 76.2313,

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

46.1146, 76.2313, 40.7174

Protanopia

68.8272, 74.5299, 34.4250

Deuteranopia

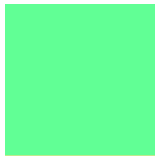
74.6519, 74.7390, 54.2076



Tritanopia

62.0534, 75.7253, 105.9536

Trichromacy



Original Color

46.1146, 76.2313, 40.7174



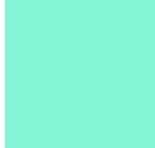
Protanomaly

56.0019, 72.4161, 36.2254



Deuteranomaly

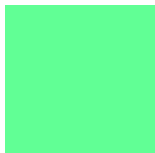
59.0260, 72.0222, 48.3268



Tritanomaly

54.7199, 75.2492, 76.6063

Monochromacy



Original Color

46.1146, 76.2313, 40.7174



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.4467, 60.3540, 51.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1146, 76.2313, 40.7174 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(97, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 149)  
}
```

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(97, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 46.1146, 76.2313, 40.7174 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(97, 255, 149) }
```


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

```
.border{ border-color:rgb(97, 255, 149) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1146, 76.2313, 40.7174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 149) }
```

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

```
.background{ background-color: rgb(97, 255,  
149) }
```

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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