

# Converting Colors

XYZ(46.8978, 73.2224, 34.0718)

Have a look what the booklet for  
XYZ(46.8978, 73.2224, 34.0718)  
contains.

<b>XYZ(46.7698, 72.9886, 34.1774)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.7698, 72.9886,  
34.1774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82F786
RGB	130, 247, 134
RGB Percent	51%, 97%, 53%
CMY	0.4902, 0.0314, 0.4745
CMYK	0.47, 0.00, 0.46, 0.03
HSL	122°, 88%, 74%
HSV	122°, 47%, 97%
XYZ	46.7698, 72.9886, 34.1774
YIQ	199.1350, -33.4590, -59.9470

# Conversions

## Conversions Part 2

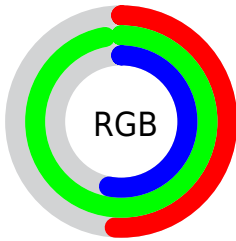
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 243, 247</a>
Decimal	<a href="#">8583046</a>
CIELab	<a href="#">88.44, -55.44, 44.15</a>
CIELCh	<a href="#">88, 70.873, 141.468</a>
Yxy	<a href="#">72.9886, 0.3038, 0.4741</a>
Android (android.graphics.Color)	<a href="#">4286773126 (0xFF82F786)</a>
YUV	<a href="#">199.1350, -32.1116, -60.6314</a>
Hunter-Lab	<a href="#">85.4334, -51.7900, 36.0845</a>

# Details

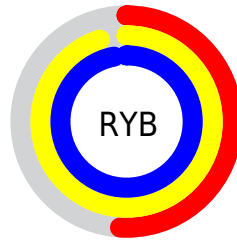
The XYZ color **46.7698, 72.9886, 34.1774** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.5204, 42.2119, 89.6489**, and the grayscale version is **54.5755, 57.4176, 62.5278**.

A 20% lighter version of the original color is **65.9316, 86.0129, 61.2713**, and **22.3907, 38.7013, 14.2726** is the 20% darker color. If you saturate the color by 10%, you get **41.9458, 70.6749, 26.2248**, and if you desaturate by 10%, it is **52.8820, 75.9273, 44.1523**.

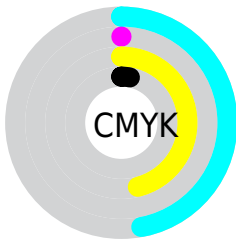
# Distribution



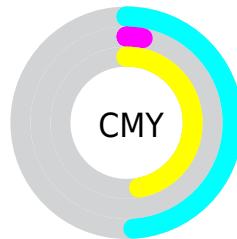
- Red (51%)
- Green (97%)
- Blue (53%)



- Red (51%)
- Yellow (95%)
- Blue (97%)



- Cyan (47%)
- Magenta (0%)
- Yellow (46%)
- Black (3%)




- Cyan (49%)
- Magenta (3%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7698, 72.9886, 34.1774 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 46.7698, 72.9886, 34.1774 by changing the saturation by 10% instead.





 46.7698, 72.9886,  
34.1774

 46.7698, 72.9886,  
34.1774


364.5592,  
470.9753, 335.7156


 33.0609, 53.9666,  
22.7515


 84.5907, 123.4610,  
67.3465

 22.3326, 38.5750,  
14.2065


 109.4335,  
155.6803, 89.9267

 14.2194, 26.4293,  
8.1241


 138.7182,  
193.0674, 117.0621

 8.3562, 17.1450,  
4.0855

172.8103,  
236.0069, 149.1712

 4.3774, 10.3380,  
1.6724

212.0751,  
284.8830, 186.6726

 1.9178, 5.6236,  
0.3417

256.8779,

 0.5871, 2.6176,

340.0801, 229.9848

0.0000

307.5842,  
401.9828, 279.5262

0.0000, 0.9355,  
0.0000

0.0000, 0.0000,  
0.0000

46.7698, 72.9886,  
34.1774

46.7698, 72.9886,  
34.1774

41.9458, 70.6749,  
26.2248

52.8820, 75.9273,  
44.1523

38.3129, 68.9327,  
20.1519


60.3597, 79.5217,  
56.2693

35.7690, 67.7149,  
15.8055


69.2806, 83.8117,  
70.6448

34.1926, 66.9625,  
13.0061

79.7149, 88.8310,  
87.3855

 33.4278, 66.6001,  
11.5350

 91.7283, 94.6115,  
106.5910

 33.3085, 66.5429,  
11.3311

 92.5522, 95.0044,  
108.0674

# Harmonies

## Analogous

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



58.0599, 72.9886, 20.2263



46.7698, 72.9886, 34.1774



41.7541, 72.9886, 66.3471

# Triad

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



46.7698, 72.9886, 34.1774



64.6249, 72.9886, 213.0752



104.5508, 72.9886, 49.8395

# Complementary

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



46.7698, 72.9886, 34.1774



62.5204, 42.2119, 89.6489

# 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.



107.0823, 72.9886, 94.2232



46.7698, 72.9886, 34.1774



82.0688, 72.9886, 202.6891

# Square

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



46.7698, 72.9886, 34.1774



50.8987, 72.9886, 177.7953



98.2901, 72.9886, 153.4318



91.8518, 72.9886, 26.3485



# Rectangle

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



46.7698, 72.9886, 34.1774



41.9622, 72.9886, 99.6262



98.2901, 72.9886, 153.4318



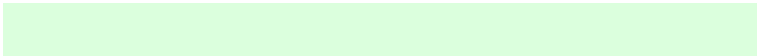
106.6935, 72.9886, 62.2379

# Sweetspot

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



46.7716, 72.9917, 34.1790



78.0512, 91.8216, 81.6821



74.2898, 87.2095, 34.0372



16.2083, 19.4141, 16.6836



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.



46.7716, 72.9917, 34.1790



45.2197, 76.0417, 28.3998



52.0275, 75.0940, 61.8561



16.3052, 18.4812, 17.6254



17.6254, 35.1950, 6.0472



1.5570, 3.0965, 0.5732



# Inverse Universe

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



62.5204, 42.2119, 89.6489



64.0381, 39.2404, 94.6652



55.0573, 39.2267, 50.3491



17.1877, 16.7579, 20.7350



28.5023, 13.7444, 44.2151

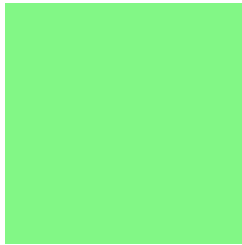


2.5126, 1.2110, 3.9258



# Previews

## White Background



This preview shows how the XYZ color 46.7698, 72.9886, 34.1774 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 46.7698, 72.9886, 34.1774 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

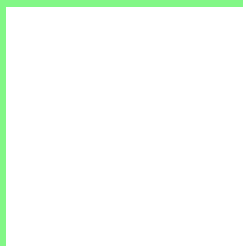
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.7698, 72.9886, 34.1774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7698, 72.9886, 34.1774.



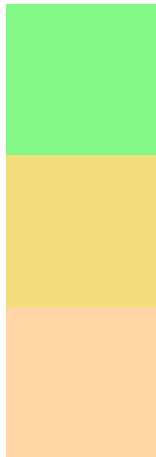
This preview shows how white text looks on a background with the XYZ color 46.7698, 72.9886,



# 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

46.7698, 72.9886, 34.1774

### Protanopia

66.1125, 72.0454, 29.4904

### Deuteranopia

71.9172, 71.6017, 46.1065



## Tritanopia

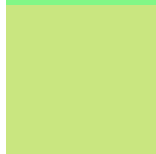
60.5111, 72.8425, 102.9662

# Trichromacy



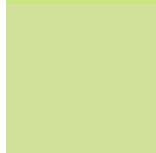
## Original Color

46.7698, 72.9886, 34.1774



## Protanomaly

56.2805, 70.5696, 31.0771



## Deuteranomaly

59.3363, 69.8852, 40.9337



## Tritanomaly

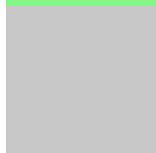
54.2292, 72.4474, 71.4472

# Monochromacy



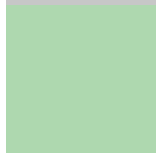
## Original Color

46.7698, 72.9886, 34.1774



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

49.7493, 61.2055, 49.7492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7698, 72.9886, 34.1774 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(130, 247, 134)` looks like.

```
.text, #text, p{  
    color:rgb(130, 247, 134)  
}
```

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(130, 247, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 247, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7698, 72.9886, 34.1774 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(130, 247, 134) }
```



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

```
.border{ border-color:rgb(130, 247, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 247, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 247, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 247, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 247,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7698, 72.9886, 34.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 247, 134) }
```

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

```
.background{ background-color: rgb(130,  
247, 134) }
```

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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