

Converting Colors

XYZ(46.0857, 71.5414, 33.9306)

Have a look what the booklet for
XYZ(46.0857, 71.5414, 33.9306)
contains.

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Color

**XYZ(46.1614, 71.7719,
33.9747)**

Conversions

Conversions Part 1

Format	Color
Hex	82F586
RGB	130, 245, 134
RGB Percent	51%, 96%, 53%
CMY	0.4902, 0.0392, 0.4745
CMYK	0.47, 0.00, 0.45, 0.04
HSL	122°, 85%, 74%
HSV	122°, 47%, 96%
XYZ	46.1614, 71.7719, 33.9747
YIQ	197.9610, -32.9090, -58.9010

Conversions

Conversions Part 2

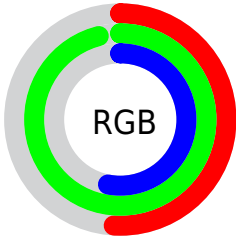
Format	Color
RYB	130, 241, 245
Decimal	8582534
CIELab	87.86, -54.64, 43.41
CIElCh	88, 69.791, 141.534
Yxy	71.7719, 0.3039, 0.4725
Android (android.graphics.Color)	4286772614 (0xFF82F586)
YUV	197.9610, -31.5328, -59.6018
Hunter-Lab	84.7183, -50.9957, 35.5257

Details

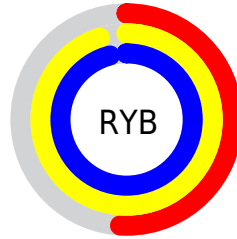
The XYZ color **46.1614, 71.7719, 33.9747** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.5181, 41.7298, 88.0332**, and the grayscale version is **53.8543, 56.6589, 61.7015**.

A 20% lighter version of the original color is **65.9316, 86.0129, 61.2713**, and **22.0320, 37.8777, 14.1326** is the 20% darker color. If you saturate the color by 10%, you get **41.3724, 69.4749, 26.0829**, and if you desaturate by 10%, it is **52.2174, 74.6836, 43.8537**.

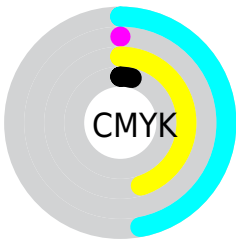
Distribution



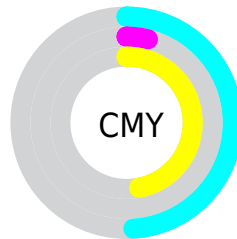
- Red (51%)
- Green (96%)
- Blue (53%)



- Red (51%)
- Yellow (95%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (45%)
- Black (4%)





- Cyan (49%)
- Magenta (4%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1614, 71.7719, 33.9747 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 46.1614, 71.7719, 33.9747 by changing the saturation by 10% instead.


 46.1614, 71.7719,
33.9747

 46.1614, 71.7719,
33.9747


362.1622,
466.7473, 334.7849


 32.5784, 52.9724,
22.5970


 83.6869, 121.7322,
67.0278

 21.9613, 37.7807,
14.0937


 108.3600,
153.6617, 89.5402

 13.9449, 25.8125,
8.0464


 137.4606,
190.7367, 116.6012

 8.1638, 16.6835,
4.0364

171.3540,
233.3415, 148.6295

 4.2526, 10.0091,
1.6454

210.4054,
281.8606, 186.0434

 1.8460, 5.4050,
0.3229

254.9804,

 0.5452, 2.4868,

336.6783, 229.2616

0.0000

305.4442,
398.1791, 278.7026

0.0000, 0.8700,
0.0000

0.0000, 0.0000,
0.0000

46.1614, 71.7719,
33.9747

46.1614, 71.7719,
33.9747

41.3724, 69.4749,
26.0829

52.2174, 74.6836,
43.8537

37.7555, 67.7404,
20.0396


59.6158, 78.2401,
55.8367


35.2117, 66.5225,
15.6957


68.4324, 82.4800,
70.0373


33.6226, 65.7640,
12.8771

78.7359, 87.4366,
86.5593

 32.8395, 65.3928,
11.3723

 90.5903, 93.1409,
105.5002

 32.7006, 65.3264,
11.1306

 91.9439, 93.7877,
107.8646

Harmonies

Analogous

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



57.1637, 71.7719, 20.2423



46.1614, 71.7719, 33.9747



41.2757, 71.7719, 65.4518

Triad

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



46.1614, 71.7719, 33.9747



63.6267, 71.7719, 207.8436



102.4072, 71.7719, 49.1779

Complementary

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



46.1614, 71.7719, 33.9747



61.5181, 41.7298, 88.0332

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.



104.8908, 71.7719, 92.3869



46.1614, 71.7719, 33.9747



80.6106, 71.7719, 197.6825

Square

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



46.1614, 71.7719, 33.9747



50.2328, 71.7719, 173.7440



96.3713, 71.7719, 149.8811



90.0507, 71.7719, 26.2157

Rectangle

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



46.1614, 71.7719, 33.9747



41.4882, 71.7719, 97.8777



96.3713, 71.7719, 149.8811



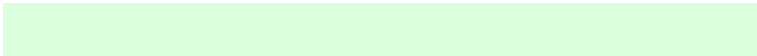
104.4962, 71.7719, 61.2645

Sweetspot

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



46.1632, 71.7749, 33.9763



78.0540, 91.8227, 81.6971



73.0173, 85.6504, 33.8031



16.2089, 19.4144, 16.6872



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.



46.1632, 71.7749, 33.9763



45.6884, 76.2662, 29.1948



51.3009, 73.8300, 61.0312



16.3056, 18.4814, 17.6275



17.6260, 35.1952, 6.0504



1.5572, 3.0965, 0.5742

Inverse Universe

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



61.5181, 41.7298, 88.0332



64.3163, 39.7966, 94.7590



54.2577, 38.8256, 49.8003



17.1873, 16.7578, 20.7326



28.4910, 13.7398, 44.1552



2.5118, 1.2107, 3.9212

Previews

White Background



This preview shows how the XYZ color 46.1614, 71.7719, 33.9747 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 46.1614, 71.7719, 33.9747 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 46.1614, 71.7719, 33.9747

Background



This preview shows how black text looks on a background with the XYZ color 46.1614, 71.7719, 33.9747.

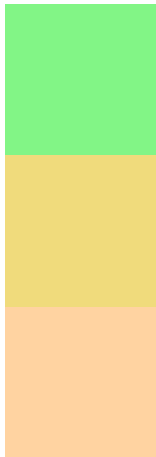


This preview shows how white text looks on a background with the XYZ color 46.1614, 71.7719,

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

46.1614, 71.7719, 33.9747

Protanopia

64.9048, 70.6435, 29.2835

Deuteranopia

70.9673, 70.4217, 43.5706



Tritanopia

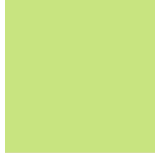
59.6295, 71.5839, 101.1167

Trichromacy



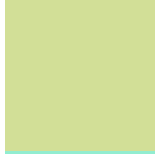
Original Color

46.1614, 71.7719, 33.9747



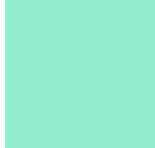
Protanomaly

55.4591, 69.3247, 30.8801



Deuteranomaly

58.5519, 68.7114, 39.4548



Tritanomaly

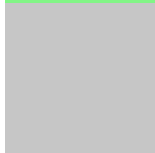
53.5234, 71.2334, 70.6030

Monochromacy



Original Color

46.1614, 71.7719, 33.9747



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.2719, 60.5803, 49.6537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1614, 71.7719, 33.9747 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, 245, 134)` looks like.

```
.text, #text, p{  
    color:rgb(130, 245, 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, 245, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 245, 134) }
```

Border

The CSS property to change the border of an element to XYZ 46.1614, 71.7719, 33.9747 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, 245, 134) }
```


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

```
.border{ border-color:rgb(130, 245, 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, 245, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 245, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 245, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 245,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1614, 71.7719, 33.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 245, 134) }
```

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

```
.background{ background-color: rgb(130,  
245, 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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