

Converting Colors

XYZ(46.8087, 71.7736, 28.4447)

Have a look what the booklet for
XYZ(46.8087, 71.7736, 28.4447)
contains.

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Color

**XYZ(46.7760, 71.7602,
28.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	8EF476
RGB	142, 244, 118
RGB Percent	56%, 96%, 46%
CMY	0.4431, 0.0431, 0.5372
CMYK	0.42, 0.00, 0.52, 0.04
HSL	109°, 85%, 71%
HSV	109°, 52%, 96%
XYZ	46.7760, 71.7602, 28.5253
YIQ	199.1380, -20.3460, -60.8100

Conversions

Conversions Part 2

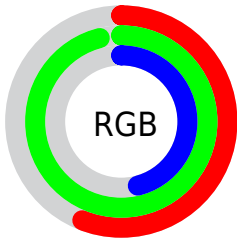
Format	Color
RYB	118, 244, 220
Decimal	9368694
CIELab	87.85, -52.88, 51.08
CIELCh	88, 73.527, 135.992
Yxy	71.7602, 0.3181, 0.4880
Android (android.graphics.Color)	4287558774 (0xFF8EF476)
YUV	199.1380, -40.0010, -50.1100
Hunter-Lab	84.7114, -49.6807, 39.3330

Details

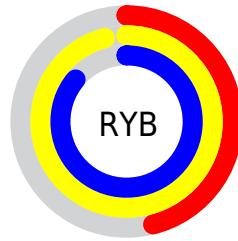
The XYZ color **46.7760, 71.7602, 28.5253** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.3265, 34.7066, 89.5331**, and the grayscale version is **54.6183, 57.4627, 62.5769**.

A 20% lighter version of the original color is **67.1222, 86.8165, 52.7547**, and **22.3806, 37.8071, 11.1190** is the 20% darker color. If you saturate the color by 10%, you get **42.4158, 69.6610, 21.7069**, and if you desaturate by 10%, it is **52.1153, 74.3251, 37.3499**.

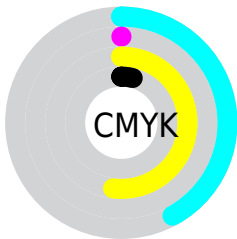
Distribution



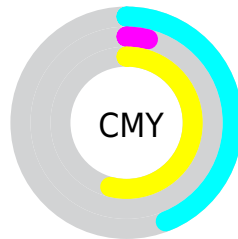
- Red (56%)
- Green (96%)
- Blue (46%)



- Red (46%)
- Yellow (96%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (52%)
- Black (4%)



- Cyan (44%)
- Magenta (4%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7760, 71.7602, 28.5253 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 46.7760, 71.7602, 28.5253 by changing the saturation by 10% instead.

46.7760, 71.7602,
28.5253

46.7760, 71.7602,
28.5253

364.5836,
466.7065, 308.9591

33.0658, 52.9628,
18.4795

84.5999, 121.7155,
58.3552

22.3363, 37.7731,
11.1218

109.4444,
153.6423, 78.9764

14.2222, 25.8066,
6.0336

138.7310,
190.7142, 103.9598

8.3581, 16.6790,
2.7964

172.8251,
233.3159, 133.7240

4.3787, 10.0059,
0.9916

212.0921,
281.8315, 168.6874

1.9185, 5.4029,
0.0000

256.8972,

0.5876, 2.4855,

336.6456, 209.2688

0.0000

307.6059,
398.1424, 255.8865

0.0000, 0.8694,
0.0000

0.0000, 0.0000,
0.0000

46.7760, 71.7602,
28.5253

46.7760, 71.7602,
28.5253

42.4158, 69.6610,
21.7069

52.1153, 74.3251,
37.3499

38.9682, 67.9902,
16.7328


58.4844, 77.3723,
48.3164


36.3664, 66.7195,
13.4241


65.9363, 80.9286,
61.5542

34.5311, 65.8126,
11.5639

74.5190, 85.0162,
77.1809

 33.5002, 65.2962,
10.8378

 84.2776, 89.6559,
95.3062

 91.6422, 93.1844,
107.7641

Harmonies

Analogous

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



59.3591, 71.7602, 17.3246



46.7760, 71.7602, 28.5253



40.5170, 71.7602, 57.0748

Triad

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



46.7760, 71.7602, 28.5253



60.3898, 71.7602, 213.6780



105.8844, 71.7602, 54.5031

Complementary

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



46.7760, 71.7602, 28.5253



52.3265, 34.7066, 89.5331

Split Complementary

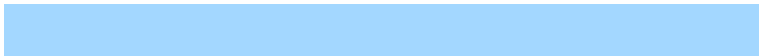
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.2888, 71.7602, 103.8262



46.7760, 71.7602, 28.5253



77.8908, 71.7602, 211.9954

Square

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



46.7760, 71.7602, 28.5253



47.4189, 71.7602, 169.8250



95.3474, 71.7602, 165.9009



94.3222, 71.7602, 27.3382

Rectangle

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



46.7760, 71.7602, 28.5253



39.9433, 71.7602, 88.6196



95.3474, 71.7602, 165.9009



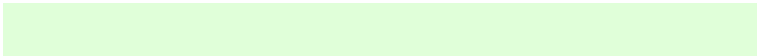
107.3892, 71.7602, 68.5111

Sweetspot

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



46.7778, 71.7633, 28.5269



79.0031, 92.3696, 79.1405



65.8608, 71.1033, 27.3937



16.4778, 19.5651, 16.1516



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.



46.7778, 71.7633, 28.5269



46.6668, 76.8940, 23.6673



45.8080, 70.9498, 42.6459



16.5767, 18.6238, 17.5186



18.2991, 35.5463, 5.8967



1.6863, 3.1644, 0.5219

Inverse Universe

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



52.3265, 34.7066, 89.5331



53.3326, 31.7409, 97.9234



54.9543, 36.6579, 62.7022



16.8862, 16.5995, 20.8566



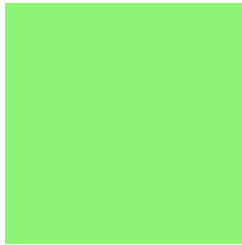
21.5855, 10.1020, 47.3502



1.9749, 0.9280, 4.1653

Previews

White Background



This preview shows how the XYZ color 46.7760, 71.7602, 28.5253 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 46.7760, 71.7602, 28.5253 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

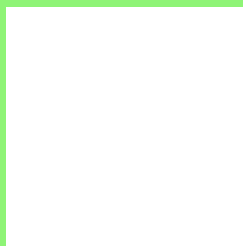
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7760, 71.7602, 28.5253

Background



This preview shows how black text looks on a background with the XYZ color 46.7760, 71.7602, 28.5253.

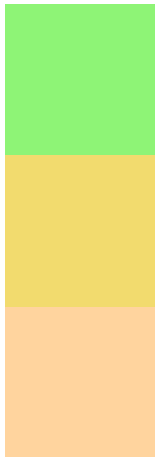


This preview shows how white text looks on a background with the XYZ color 46.7760, 71.7602,

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

46.7760, 71.7602, 28.5253

Protanopia

64.7639, 70.6661, 24.9783

Deuteranopia

70.9550, 70.8156, 42.2768



Tritanopia

60.9660, 71.4779, 99.3903

Trichromacy



Original Color

46.7760, 71.7602, 28.5253



Protanomaly

56.1776, 69.8009, 26.1348



Deuteranomaly

59.3451, 69.5906, 36.2911



Tritanomaly

54.1556, 70.8018, 66.0702

Monochromacy



Original Color

46.7760, 71.7602, 28.5253



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.9162, 60.9681, 47.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7760, 71.7602, 28.5253 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(142, 244, 118)` looks like.

```
.text, #text, p{  
    color:rgb(142, 244, 118)  
}
```

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(142, 244, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 244, 118) }
```

Border

The CSS property to change the border of an element to XYZ 46.7760, 71.7602, 28.5253 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(142, 244, 118) }
```


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

```
.border{ border-color:rgb(142, 244, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 244, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 244, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 244, 118); box-shadow:4px 4px 4px 4px rgb(142, 244, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7760, 71.7602, 28.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 244, 118) }
```

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

```
.background{ background-color: rgb(142,  
244, 118) }
```

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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