

Converting Colors

XYZ(47.7351, 73.4683, 28.9536)

Have a look what the booklet for
XYZ(47.7351, 73.4683, 28.9536)
contains.

XYZ(47.8585, 73.6692, 28.8367)	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(47.8585, 73.6692,
28.8367)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF776
RGB	143, 247, 118
RGB Percent	56%, 97%, 46%
CMY	0.4392, 0.0314, 0.5372
CMYK	0.42, 0.00, 0.52, 0.03
HSL	108°, 89%, 72%
HSV	108°, 52%, 97%
XYZ	47.8585, 73.6692, 28.8367
YIQ	201.1980, -20.5750, -62.1670

Conversions

Conversions Part 2

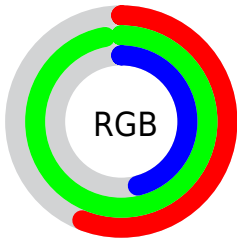
Format	Color
RYB	118, 247, 222
Decimal	9434998
CIELab	88.77, -53.80, 52.19
CIELCh	89, 74.955, 135.867
Yxy	73.6692, 0.3183, 0.4899
Android (android.graphics.Color)	4287625078 (0xFF8FF776)
YUV	201.1980, -41.0166, -51.0396
Hunter-Lab	85.8308, -50.6738, 40.1618

Details

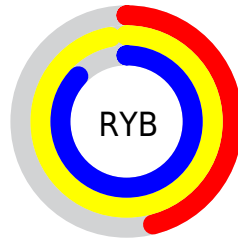
The XYZ color **47.8585, 73.6692, 28.8367** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **53.3947, 35.2042, 91.9806**, and the grayscale version is **55.8976, 58.8086, 64.0425**.

A 20% lighter version of the original color is **67.6599, 87.0937, 52.7799**, and **23.0237, 39.0934, 11.3333** is the 20% darker color. If you saturate the color by 10%, you get **43.4323, 71.5376, 21.9455**, and if you desaturate by 10%, it is **53.2846, 76.2763, 37.7836**.

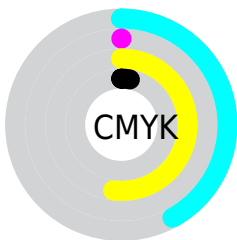
Distribution



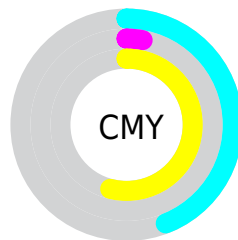
- Red (56%)
- Green (97%)
- Blue (46%)



- Red (46%)
- Yellow (97%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (52%)
- Black (3%)





- Cyan (44%)
- Magenta (3%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8585, 73.6692, 28.8367 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 47.8585, 73.6692, 28.8367 by changing the saturation by 10% instead.


 47.8585, 73.6692,
28.8367


 47.8585, 73.6692,
28.8367


368.8229,
473.3309, 310.4805

 33.9256, 54.5233,
18.7128


 86.2047, 124.4268,
58.8566

 22.9991, 39.0202,
11.2882


 111.3487,
156.8073, 79.5897

 14.7135, 26.7755,
6.1445


 140.9604,
194.3681, 104.6963

 8.7036, 17.4047,
2.8629

175.4053,
237.4936, 134.5949

 4.6039, 10.5234,
1.0251

215.0486,
286.5683, 169.7041

 2.0491, 5.7474,
0.0000

260.2557,

 0.6613, 2.6921,

341.9764, 210.4424

0.0000

311.3921,
404.1025, 257.2283

0.0000, 0.9732,
0.0000

0.0000, 0.0000,
0.0000

47.8585, 73.6692,
28.8367

47.8585, 73.6692,
28.8367

43.4323, 71.5376,
21.9455

53.2846, 76.2763,
37.7836

39.9374, 69.8431,
16.9419


59.7626, 79.3759,
48.9269


37.3051, 68.5564,
13.6398

67.3471, 82.9955,
62.4004

35.4535, 67.6404,
11.8125

76.0873, 87.1578,
78.3260

 34.4747, 67.1496,
11.1442

 86.0296, 91.8843,
96.8171

 92.5523, 95.0045,
108.0674

Harmonies

Analogous

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



60.9138, 73.6692, 17.3997



47.8585, 73.6692, 28.8367



41.3592, 73.6692, 58.2175

Triad

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



47.8585, 73.6692, 28.8367



61.8470, 73.6692, 221.2392



109.1986, 73.6692, 55.8928

Complementary

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



47.8585, 73.6692, 28.8367



53.3947, 35.2042, 91.9806

Split Complementary

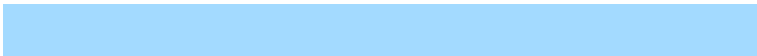
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.5661, 73.6692, 107.1502



47.8585, 73.6692, 28.8367



79.9921, 73.6692, 219.7052

Square

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



47.8585, 73.6692, 28.8367



48.4395, 73.6692, 175.3459



98.1446, 73.6692, 171.7729



97.2135, 73.6692, 27.7703

Rectangle

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



47.8585, 73.6692, 28.8367



40.7478, 73.6692, 90.8588



98.1446, 73.6692, 171.7729



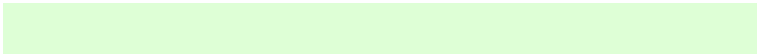
110.7467, 73.6692, 70.4334

Sweetspot

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



47.8603, 73.6723, 28.8383



78.0798, 91.9316, 77.3817



67.5403, 72.9042, 27.6528



16.2967, 19.4792, 15.8054



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.



47.8603, 73.6723, 28.8383



46.3238, 76.7306, 23.0412



46.7945, 72.8006, 43.3515



16.5819, 18.6265, 17.5189



18.3206, 35.5574, 5.8977



1.6889, 3.1657, 0.5220

Inverse Universe

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



53.3947, 35.2042, 91.9806



52.7842, 31.1144, 97.8314



56.2610, 37.3018, 64.1058



16.8805, 16.5966, 20.8563



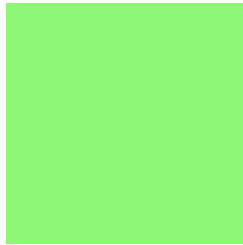
21.4711, 10.0431, 47.3449



1.9658, 0.9233, 4.1648

Previews

White Background



This preview shows how the XYZ color 47.8585, 73.6692, 28.8367 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 47.8585, 73.6692, 28.8367 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 47.8585, 73.6692, 28.8367

Background



This preview shows how black text looks on a background with the XYZ color 47.8585, 73.6692, 28.8367.



This preview shows how white text looks on a background with the XYZ color 47.8585, 73.6692,

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

47.8585, 73.6692, 28.8367

Protanopia

66.5919, 72.7808, 25.2902

Deuteranopia

72.4234, 72.6141, 46.2752



Tritanopia

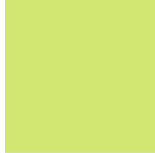
62.4879, 73.4584, 102.1522

Trichromacy



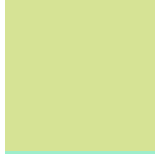
Original Color

47.8585, 73.6692, 28.8367



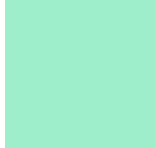
Protanomaly

57.5690, 71.7540, 26.4385



Deuteranomaly

60.6255, 71.4042, 39.0209



Tritanomaly

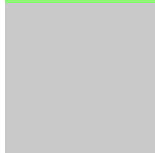
55.4546, 72.7300, 67.6154

Monochromacy



Original Color

47.8585, 73.6692, 28.8367



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.2445, 62.7864, 47.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8585, 73.6692, 28.8367 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(143, 247, 118)` looks like.

```
.text, #text, p{  
    color:rgb(143, 247, 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(143, 247, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 247, 118) }
```

Border

The CSS property to change the border of an element to XYZ 47.8585, 73.6692, 28.8367 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(143, 247, 118) }
```


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

```
.border{ border-color:rgb(143, 247, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 247, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 247, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 247, 118);  
box-shadow:4px 4px 4px 4px rgb(143, 247,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8585, 73.6692, 28.8367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 247, 118) }
```

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

```
.background{ background-color: rgb(143,  
247, 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](#).

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