

Converting Colors

XYZ(52.2911, 76.8286, 47.8350)

Have a look what the booklet for
XYZ(52.2911, 76.8286, 47.8350)
contains.

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Color

**XYZ(52.3048, 76.9275,
47.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFAA5
RGB	143, 250, 165
RGB Percent	56%, 98%, 65%
CMY	0.4392, 0.0196, 0.3529
CMYK	0.43, 0.00, 0.34, 0.02
HSL	132°, 91%, 77%
HSV	132°, 43%, 98%
XYZ	52.3048, 76.9275, 47.6890
YIQ	208.3170, -36.4870, -49.1190

Conversions

Conversions Part 2

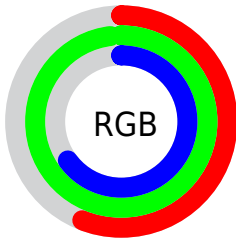
Format	Color
RYB	143, 232, 250
Decimal	9435813
CIELab	90.29, -48.40, 31.37
CIELCh	90, 57.679, 147.052
Yxy	76.9275, 0.2956, 0.4348
Android (android.graphics.Color)	4287625893 (0xFF8FFAA5)
YUV	208.3170, -21.3553, -57.2830
Hunter-Lab	87.7083, -47.0412, 29.1585

Details

The XYZ color **52.3048, 76.9275, 47.6890** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.2528, 45.5718, 78.8639**, and the grayscale version is **60.3128, 63.4538, 69.1012**.

A 20% lighter version of the original color is **72.8985, 89.1580, 81.7737**, and **25.7409, 41.2411, 21.9329** is the 20% darker color. If you saturate the color by 10%, you get **46.7803, 74.2746, 38.7165**, and if you desaturate by 10%, it is **59.0784, 80.1962, 58.1886**.

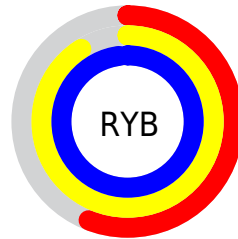
Distribution



Red (56%)

Green (98%)

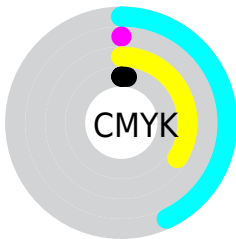
Blue (65%)



Red (56%)

Yellow (91%)

Blue (98%)

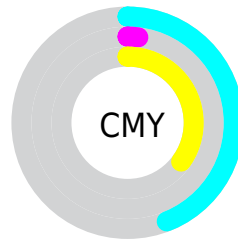


Cyan (43%)

Magenta (0%)

Yellow (34%)

Black (2%)



Cyan (44%)


Magenta (2%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3048, 76.9275, 47.6890 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 52.3048, 76.9275, 47.6890 by changing the saturation by 10% instead.


 52.3048, 76.9275,
47.6890

 52.3048, 76.9275,
47.6890


385.9168,
484.5168, 394.0312

 37.4733, 57.1934,
33.2224


 92.7522, 129.0371,
88.1019

 25.7495, 41.1605,
22.0244


 119.0988,
162.1814, 114.8853

 16.7681, 28.4445,
13.6763


150.0145,
200.5646, 146.6114

 10.1635, 18.6610,
7.7597

185.8646,
244.5710, 183.6987

 5.5706, 11.4256,
3.8560

227.0146,
294.5850, 226.5658

 2.6240, 6.3539,
1.5467

273.8297,

 0.9582, 3.0614,

350.9910, 275.6312

0.2524

326.6753,
414.1735, 331.3135

0.0000, 1.1639,
0.0000

0.0000, 0.0319,
0.0000

52.3048, 76.9275,
47.6890

52.3048, 76.9275,
47.6890

46.7803, 74.2746,
38.7165

59.0784, 80.1962,
58.1886

42.4211, 72.1893,
31.1948

67.1660, 84.1064,
70.2763

39.1426, 70.6318,
25.0489

76.6351, 88.6936,
84.0165

36.8455, 69.5527,
20.1949

87.5468, 93.9881,
99.4682

■ 35.4112, 68.8927,
16.5396

■ 93.4771, 96.8542,
108.3757

■ 34.7936, 68.6168,
14.5894

Harmonies

Analogous

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



61.2627, 76.9275, 31.2230



52.3048, 76.9275, 47.6890



48.8599, 76.9275, 79.7594

Triad

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



52.3048, 76.9275, 47.6890



71.7064, 76.9275, 190.1765



100.5728, 76.9275, 52.6935

Complementary

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



52.3048, 76.9275, 47.6890



63.2528, 45.5718, 78.8639

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.



104.3100, 76.9275, 87.8942



52.3048, 76.9275, 47.6890



86.4102, 76.9275, 175.7879

Square

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



52.3048, 76.9275, 47.6890



59.1026, 76.9275, 169.2051



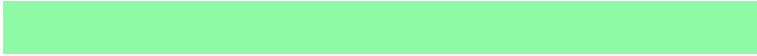
98.8266, 76.9275, 134.5599



89.1889, 76.9275, 33.3773

Rectangle

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



52.3048, 76.9275, 47.6890



49.7655, 76.9275, 109.1606



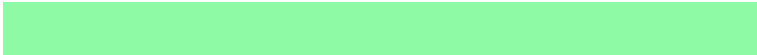
98.8266, 76.9275, 134.5599



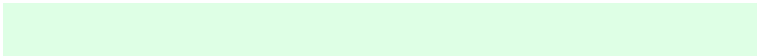
102.8248, 76.9275, 62.6427

Sweetspot

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



52.3068, 76.9307, 47.6907



79.9345, 92.6644, 87.5575



71.3321, 86.9504, 39.0106



16.6150, 19.5944, 18.0305



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.



52.3068, 76.9307, 47.6907



49.8523, 78.1331, 42.0264



58.1573, 79.2709, 78.4993



17.1633, 19.3676, 19.0607



18.4960, 36.4114, 7.9553



1.7494, 3.3869, 0.9284

Inverse Universe

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



63.2528, 45.5718, 78.8639



62.6070, 41.5305, 78.3047



56.9967, 43.0694, 45.9193



17.8312, 17.4598, 20.9666



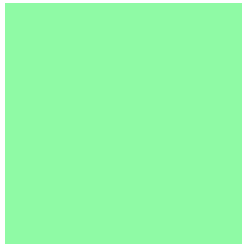
26.4090, 12.9793, 29.9258



2.4831, 1.2170, 2.9675

Previews

White Background



This preview shows how the XYZ color 52.3048, 76.9275, 47.6890 looks on a white background.

Color Contrast Check

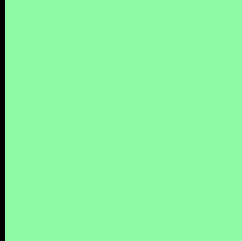
Large Text (above 18pt) WCAG AA × Fail

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 52.3048, 76.9275, 47.6890 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

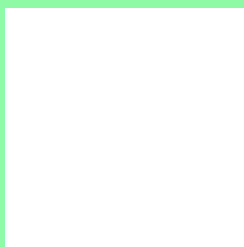
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3048, 76.9275, 47.6890

Background



This preview shows how black text looks on a background with the XYZ color 52.3048, 76.9275, 47.6890.



This preview shows how white text looks on a background with the XYZ color 52.3048, 76.9275,

47.6890.

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

52.3048, 76.9275, 47.6890

Protanopia

70.4210, 75.9924, 41.9668

Deuteranopia

75.7568, 75.5972, 58.7430



Tritanopia

64.9118, 76.3344, 105.9205

Trichromacy



Original Color

52.3048, 76.9275, 47.6890



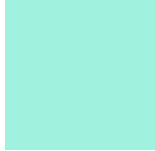
Protanomaly

61.6985, 75.1853, 44.0612



Deuteranomaly

64.2666, 74.1851, 54.1120



Tritanomaly

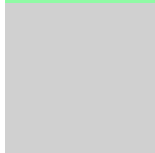
59.4342, 76.2518, 80.6928

Monochromacy



Original Color

52.3048, 76.9275, 47.6890



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.6693, 66.7715, 59.8233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3048, 76.9275, 47.6890 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, 250, 165)` looks like.

```
.text, #text, p{  
    color:rgb(143, 250, 165)  
}
```

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, 250, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 250, 165) }
```

Border

The CSS property to change the border of an element to XYZ 52.3048, 76.9275, 47.6890 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, 250, 165) }
```


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

```
.border{ border-color:rgb(143, 250, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 250, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 250, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 250, 165); box-shadow:4px 4px 4px 4px rgb(143, 250, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3048, 76.9275, 47.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 250, 165) }
```

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

```
.background{ background-color: rgb(143,  
250, 165) }
```

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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