

Converting Colors

XYZ(51.7250, 84.0439, 56.1393)

Have a look what the booklet for
XYZ(51.7250, 84.0439, 56.1393)
contains.

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Color

**XYZ(48.2111, 76.9988,
54.9691)**

Conversions

Conversions Part 1

Format	Color
Hex	5BFFB3
RGB	91, 255, 179
RGB Percent	36%, 100%, 70%
CMY	0.6431, 0.0000, 0.2980
CMYK	0.64, 0.00, 0.30, 0.00
HSL	152°, 100%, 68%
HSV	152°, 64%, 100%
XYZ	48.2111, 76.9988, 54.9691
YIQ	197.3000, -73.3480, -58.4040

Conversions

Conversions Part 2

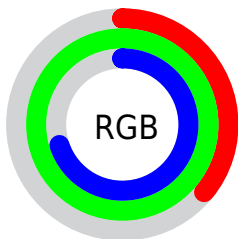
Format	Color
RYB	91, 198, 255
Decimal	6029235
CIELab	90.32, -59.53, 24.06
CIELCh	90, 64.204, 157.991
Yxy	76.9988, 0.2676, 0.4273
Android (android.graphics.Color)	4284219315 (0xFF5BFFB3)
YUV	197.3000, -9.0219, -93.2251
Hunter-Lab	87.7490, -55.4891, 24.2829

Details

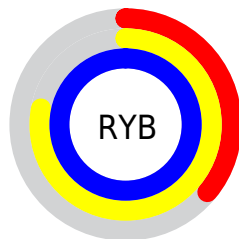
The XYZ color **48.2111, 76.9988, 54.9691** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **51.9567, 31.5331, 39.9083**, and the grayscale version is **53.3372, 56.1149, 61.1091**.

A 20% lighter version of the original color is **64.4657, 84.5861, 91.5263**, and **23.7321, 41.4389, 26.4864** is the 20% darker color. If you saturate the color by 10%, you get **44.9657, 75.4580, 48.8441**, and if you desaturate by 10%, it is **52.4138, 79.0213, 61.6763**.

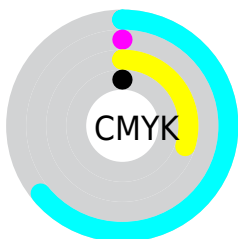
Distribution



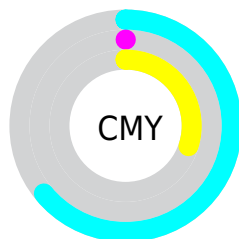
- Red (36%)
- Green (100%)
- Blue (70%)



- Red (36%)
- Yellow (78%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2111, 76.9988, 54.9691 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 48.2111, 76.9988, 54.9691 by changing the saturation by 10% instead.


 48.2111, 76.9988,
54.9691


 48.2111, 76.9988,
54.9691


370.1969,
484.7599, 423.0734


 34.2060, 57.2519,
38.9785


 86.7264, 129.1378,
98.9664


 23.2156, 41.2075,
26.4353


 111.9674,
162.2987, 127.8102

 14.8743, 28.4813,
16.9209


 141.6844,
200.6996, 161.7755

 8.8170, 18.6888,
10.0168

 176.2427,
244.7251, 201.2808

 4.6781, 11.4456,
5.3043

216.0078,
294.7595, 246.7448

 2.0925, 6.3674,
2.3651

261.3450,

 0.6851, 3.0697,

351.1871, 298.5858

0.7673

312.6196,
414.3925, 357.2225

■ 0.0000, 1.1683,
0.0000

■ 0.0000, 0.0355,
0.0000

■ 48.2111, 76.9988,
54.9691

■ 48.2111, 76.9988,
54.9691

■ 44.9657, 75.4580,
48.8441

■ 52.4138, 79.0213,
61.6763

■ 42.5826, 74.3502,
43.2795

■ 57.6523, 81.5657,
68.9782

■ 40.9488, 73.6174,
38.2575

■ 63.9988, 84.6688,
76.8920

■ 40.2632, 73.3213,
35.6333

■ 71.5181, 88.3639,
85.4328

■ 80.2701, 92.6815,
94.6150

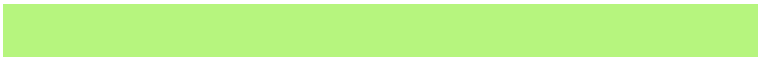
■ 90.3102, 97.6501,
104.4525

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.8374, 76.9988, 31.8128



48.2111, 76.9988, 54.9691



46.7550, 76.9988, 96.6906

Triad

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



48.2111, 76.9988, 54.9691



77.5448, 76.9988, 204.8317



100.2019, 76.9988, 40.4646

Complementary

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



48.2111, 76.9988, 54.9691



51.9567, 31.5331, 39.9083

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.



108.0672, 76.9988, 72.1791



48.2111, 76.9988, 54.9691



93.7982, 76.9988, 174.1923

Square

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



48.2111, 76.9988, 54.9691



62.2524, 76.9988, 194.9026



105.5672, 76.9988, 121.3745



85.3281, 76.9988, 25.8162

Rectangle

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



48.2111, 76.9988, 54.9691



49.2454, 76.9988, 132.3516



105.5672, 76.9988, 121.3745



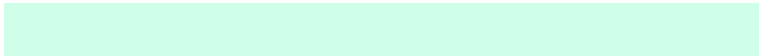
103.8449, 76.9988, 48.9181

Sweetspot

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



48.2118, 76.9992, 54.9704



76.0100, 90.5780, 90.2296



53.6983, 80.5494, 22.6160



15.7422, 19.1275, 18.7551



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.



48.2118, 76.9992, 54.9704



44.2446, 75.1198, 47.2938



56.4057, 77.5260, 106.5989



18.1791, 20.3312, 21.2461



21.1146, 38.3424, 19.0208



2.1111, 3.7554, 2.1427

Inverse Universe

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



51.9567, 31.5331, 39.9083



48.2622, 26.5425, 31.2824



47.3545, 30.4674, 13.2835



18.3596, 18.1272, 20.5108



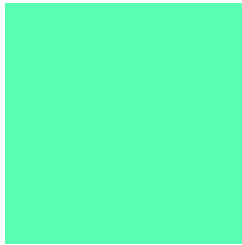
23.3364, 11.8238, 10.4217



2.3267, 1.1730, 1.3017

Previews

White Background



This preview shows how the XYZ color 48.2111, 76.9988, 54.9691 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 48.2111, 76.9988, 54.9691 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 48.2111, 76.9988, 54.9691

Background



This preview shows how black text looks on a background with the XYZ color 48.2111, 76.9988, 54.9691.

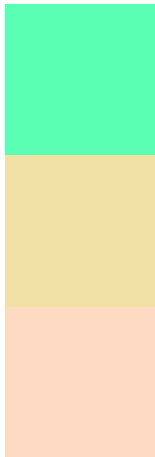


This preview shows how white text looks on a background with the XYZ color 48.2111, 76.9988, 54.9691.

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

48.2111, 76.9988, 54.9691

Protanopia

70.4261, 75.4808, 46.9338

Deuteranopia

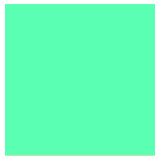
76.0490, 75.2978, 61.5647



Tritanopia

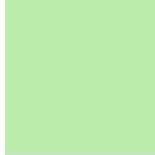
62.7277, 76.5087, 106.0693

Trichromacy



Original Color

48.2111, 76.9988, 54.9691



Protanomaly

57.8397, 73.4960, 49.6657



Deuteranomaly

60.2669, 72.4281, 58.9477



Tritanomaly

56.0333, 75.7564, 84.3422

Monochromacy



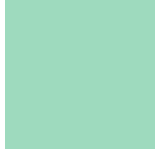
Original Color

48.2111, 76.9988, 54.9691



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.4662, 61.1296, 57.9600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2111, 76.9988, 54.9691 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(91, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 179)  
}
```

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(91, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 48.2111, 76.9988, 54.9691 is called "border". The border property can be set on classes, ids or directly on the HTML element.

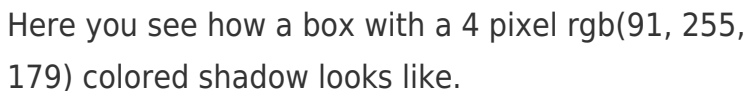
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 255, 179) }
```


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

```
.border{ border-color:rgb(91, 255, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2111, 76.9988, 54.9691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 179) }
```

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

```
.background{ background-color: rgb(91, 255,  
179) }
```

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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