

Converting Colors

XYZ(48.1846, 77.1973, 45.3855)

Have a look what the booklet for
XYZ(48.1846, 77.1973, 45.3855)
contains.

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Color

**XYZ(48.2023, 77.2113,
45.1636)**

Conversions

Conversions Part 1

Format	Color
Hex	6CFF9F
RGB	108, 255, 159
RGB Percent	42%, 100%, 62%
CMY	0.5765, 0.0000, 0.3765
CMYK	0.58, 0.00, 0.38, 0.00
HSL	141°, 100%, 71%
HSV	141°, 58%, 100%
XYZ	48.2023, 77.2113, 45.1636
YIQ	200.1030, -56.7960, -61.0200

Conversions

Conversions Part 2

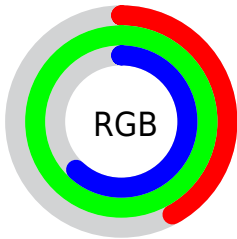
Format	Color
RYB	108, 217, 255
Decimal	7143327
CIELab	90.42, -59.97, 34.33
CIELCh	90, 69.099, 150.215
Yxy	77.2113, 0.2826, 0.4526
Android (android.graphics.Color)	4285333407 (0xFF6CFF9F)
YUV	200.1030, -20.2638, -80.7743
Hunter-Lab	87.8700, -55.8538, 31.0350

Details

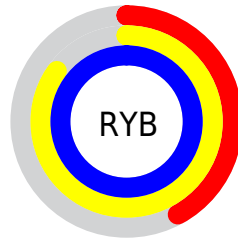
The XYZ color **48.2023, 77.2113, 45.1636** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **57.5018, 36.3452, 61.1110**, and the grayscale version is **55.1091, 57.9791, 63.1392**.

A 20% lighter version of the original color is **64.4752, 84.9211, 76.6115**, and **23.1634, 41.2802, 20.3827** is the 20% darker color. If you saturate the color by 10%, you get **44.1923, 75.3000, 37.9343**, and if you desaturate by 10%, it is **53.3148, 79.6685, 53.4634**.

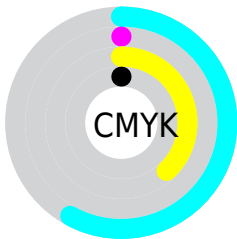
Distribution



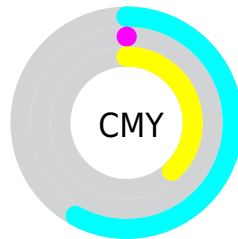
- Red (42%)
- Green (100%)
- Blue (62%)



- Red (42%)
- Yellow (85%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2023, 77.2113, 45.1636 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 48.2023, 77.2113, 45.1636 by changing the saturation by 10% instead.


 48.2023, 77.2113,
45.1636


 48.2023, 77.2113,
45.1636


370.1627,
485.4842, 383.6152


 34.1990, 57.4263,
31.2424


 86.7134, 129.4377,
84.2869

 23.2102, 41.3476,
20.5235


 111.9520,
162.6479, 110.3261

 14.8703, 28.5908,
12.5883


 141.6663,
201.1020, 141.2417

 8.8141, 18.7715,
7.0183

176.2218,
245.1843, 177.4523

 4.6763, 11.5053,
3.3949

215.9839,
295.2793, 219.3764

 2.0914, 6.4078,
1.2997

261.3178,

 0.6845, 3.0946,

351.7714, 267.4326

0.0615

312.5890,
415.0448, 322.0393

0.0000, 1.1813,
0.0000

0.0000, 0.0464,
0.0000

48.2023, 77.2113,
45.1636

48.2023, 77.2113,
45.1636

44.1923, 75.3000,
37.9343

53.3148, 79.6685,
53.4634

41.1938, 73.8885,
31.7271

59.6071, 82.7106,
62.8716

39.1030, 72.9242,
26.4953

67.1515, 86.3740,
73.4290

37.7841, 72.3383,
22.1864

76.0135, 90.6918,
85.1730

■ 37.5411, 72.2324,
21.2989

■ 86.2541, 95.6946,
98.1395

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.



57.9301, 77.2113, 25.8050



48.2023, 77.2113, 45.1636



44.9671, 77.2113, 84.4265

Triad

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



48.2023, 77.2113, 45.1636



73.5114, 77.2113, 219.3129



105.9393, 77.2113, 44.7573

Complementary

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



48.2023, 77.2113, 45.1636



57.5018, 36.3452, 61.1110

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.



111.7989, 77.2113, 83.7144



48.2023, 77.2113, 45.1636



91.3745, 77.2113, 195.7584

Square

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



48.2023, 77.2113, 45.1636



58.1142, 77.2113, 196.3846



106.0982, 77.2113, 140.6300



91.1255, 77.2113, 25.6433

Rectangle

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



48.2023, 77.2113, 45.1636



46.4568, 77.2113, 121.3466



106.0982, 77.2113, 140.6300



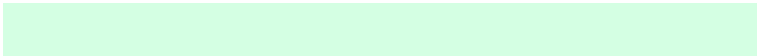
109.1163, 77.2113, 55.3353

Sweetspot

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



48.2028, 77.2116, 45.1649



76.6330, 90.9940, 85.9737



63.9207, 85.7247, 27.3655



15.9944, 19.2773, 17.8727



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.



48.2028, 77.2116, 45.1649



43.7293, 75.0807, 37.0351



56.2979, 80.4496, 87.7930



18.0317, 20.2722, 20.4700



19.6792, 37.7683, 11.4619



1.9653, 3.6970, 1.3751

Inverse Universe

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



57.5018, 36.3452, 61.1110



53.7721, 30.7522, 54.1138



50.8021, 33.6653, 25.8307



18.5093, 18.1870, 21.2989



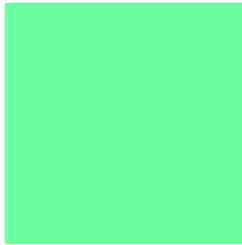
25.2438, 12.5868, 20.4663



2.5095, 1.2462, 2.2644

Previews

White Background



This preview shows how the XYZ color 48.2023, 77.2113, 45.1636 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 48.2023, 77.2113, 45.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

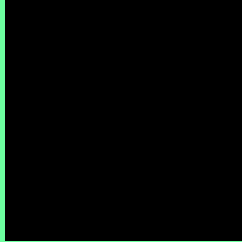
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

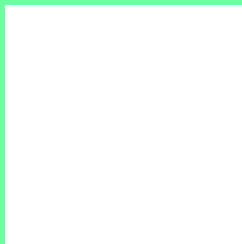
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2023, 77.2113, 45.1636

Background



This preview shows how black text looks on a background with the XYZ color 48.2023, 77.2113, 45.1636.

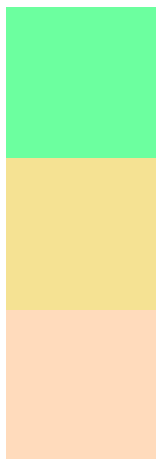


This preview shows how white text looks on a background with the XYZ color 48.2023, 77.2113,

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

48.2023, 77.2113, 45.1636

Protanopia

70.1190, 75.9118, 38.5605

Deuteranopia

75.6486, 75.5539, 58.1732



Tritanopia

63.6144, 76.5301, 106.0267

Trichromacy



Original Color

48.2023, 77.2113, 45.1636



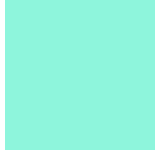
Protanomaly

58.3758, 74.4048, 40.5630



Deuteranomaly

61.1495, 73.4441, 52.5482



Tritanomaly

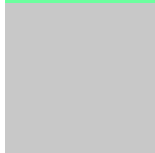
56.7260, 76.2229, 79.4329

Monochromacy



Original Color

48.2023, 77.2113, 45.1636



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.2865, 62.9047, 55.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2023, 77.2113, 45.1636 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(108, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 159)  
}
```

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(108, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 48.2023, 77.2113, 45.1636 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(108, 255, 159) }
```


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

```
.border{ border-color:rgb(108, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2023, 77.2113, 45.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 159) }
```

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

```
.background{ background-color: rgb(108,  
255, 159) }
```

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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