

Converting Colors

XYZ(48.6813, 77.5911, 39.1815)

Have a look what the booklet for
XYZ(48.6813, 77.5911, 39.1815)
contains.

XYZ(48.6166, 77.5574, 39.1958)	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(48.6166, 77.5574,
39.1958)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF91
RGB	120, 255, 145
RGB Percent	47%, 100%, 57%
CMY	0.5294, 0.0000, 0.4314
CMYK	0.53, 0.00, 0.43, 0.00
HSL	131°, 100%, 74%
HSV	131°, 53%, 100%
XYZ	48.6166, 77.5574, 39.1958
YIQ	202.0950, -45.1500, -62.8300

Conversions

Conversions Part 2

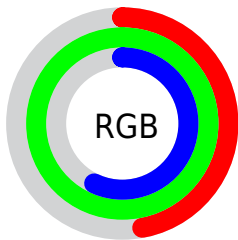
Format	Color
RYB	120, 234, 255
Decimal	7929745
CIELab	90.58, -59.52, 41.48
CIELCh	91, 72.546, 145.124
Yxy	77.5574, 0.2940, 0.4690
Android (android.graphics.Color)	4286119825 (0xFF78FF91)
YUV	202.0950, -28.1478, -71.9973
Hunter-Lab	88.0667, -55.5770, 35.2585

Details

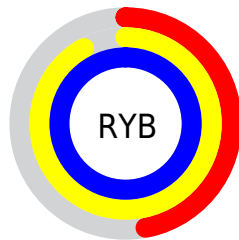
The XYZ color **48.6166, 77.5574, 39.1958** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.2394, 40.4065, 79.3808**, and the grayscale version is **56.3887, 59.3253, 64.6052**.

A 20% lighter version of the original color is **65.0077, 85.3934, 67.6999**, and **23.4634, 41.5071, 17.1309** is the 20% darker color. If you saturate the color by 10%, you get **44.0801, 75.3873, 31.3716**, and if you desaturate by 10%, it is **54.3885, 80.3306, 48.6097**.

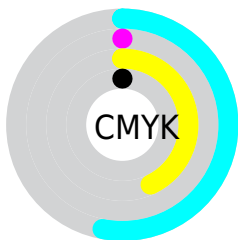
Distribution



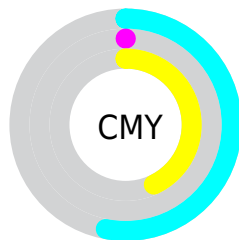
- Red (47%)
- Green (100%)
- Blue (57%)



- Red (47%)
- Yellow (92%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6166, 77.5574, 39.1958 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 48.6166, 77.5574, 39.1958 by changing the saturation by 10% instead.


 48.6166, 77.5574,
39.1958


 48.6166, 77.5574,
39.1958


371.7730,
486.6624, 358.1730


 34.5287, 57.7105,
26.6031


 87.3259, 129.9260,
75.1610

 23.4649, 41.5759,
17.0456


 112.6780,
163.2165, 99.3705

 15.0597, 28.7694,
10.1047


 142.5156,
201.7569, 128.2894

 8.9479, 18.9064,
5.3619

177.2041,
245.9317, 162.3362

 4.7641, 11.6027,
2.3987

217.1087,
296.1253, 201.9294

 2.1428, 6.4738,
0.7857

262.5948,

 0.7123, 3.1352,

352.7220, 247.4876

0.0000

314.0278,
416.1062, 299.4293

0.0000, 1.2027,
0.0000

0.0000, 0.0639,
0.0000

48.6166, 77.5574,
39.1958

48.6166, 77.5574,
39.1958

44.0801, 75.3873,
31.3716

54.3885, 80.3306,
48.6097

40.6851, 73.7736,
25.0456

61.4774, 83.7471,
59.6906

38.3261, 72.6640,
20.1227

69.9593, 87.8446,
72.5152

36.8761, 71.9952,
16.4950

79.9040, 92.6576,
87.1544

■ 36.2776, 71.7271,
14.6459

■ 91.3768, 98.2182,
103.6749

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.



59.8600, 77.5574, 22.4036



48.6166, 77.5574, 39.1958



44.1070, 77.5574, 76.2282

Triad

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



48.6166, 77.5574, 39.1958



70.7875, 77.5574, 228.4444



110.0714, 77.5574, 48.7013

Complementary

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



48.6166, 77.5574, 39.1958



62.2394, 40.4065, 79.3808

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.



114.2753, 77.5574, 93.2359



48.6166, 77.5574, 39.1958



89.5604, 77.5574, 211.2266

Square

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



48.6166, 77.5574, 39.1958



55.4959, 77.5574, 195.9469



106.2392, 77.5574, 155.5182



95.5424, 77.5574, 26.0998

Rectangle

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



48.6166, 77.5574, 39.1958



44.8808, 77.5574, 113.3237



106.2392, 77.5574, 155.5182



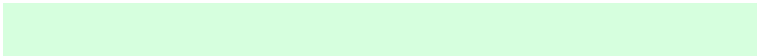
112.8304, 77.5574, 60.9463

Sweetspot

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



48.6171, 77.5576, 39.1970



76.7021, 91.1071, 82.4787



71.8638, 89.7406, 31.3039



15.9733, 19.2857, 17.0015



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.



48.6171, 77.5576, 39.1970



43.6680, 75.1908, 30.6319



55.4213, 80.2793, 75.0277



17.9089, 20.2231, 19.8235



18.9950, 37.4946, 7.8590



1.8845, 3.6647, 0.9497

Inverse Universe

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



62.2394, 40.4065, 79.3808



58.6099, 34.3037, 74.6061



54.5453, 37.3288, 38.8639



18.6399, 18.2393, 21.9866



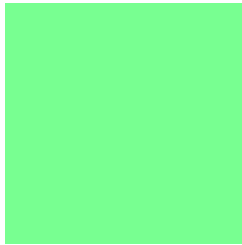
27.5352, 13.5034, 32.5327



2.7167, 1.3291, 3.3555

Previews

White Background



This preview shows how the XYZ color 48.6166, 77.5574, 39.1958 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 48.6166, 77.5574, 39.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

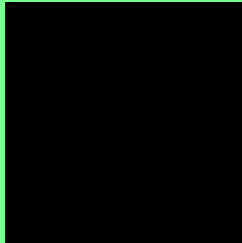
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6166, 77.5574, 39.1958

Background



This preview shows how black text looks on a background with the XYZ color 48.6166, 77.5574, 39.1958.

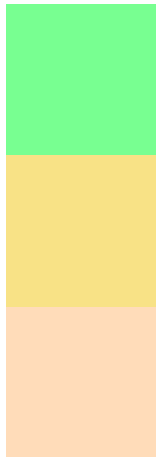


This preview shows how white text looks on a background with the XYZ color 48.6166, 77.5574,

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

48.6166, 77.5574, 39.1958

Protanopia

70.2108, 76.0704, 33.5368

Deuteranopia

75.5902, 75.9492, 56.5746



Tritanopia

64.6424, 77.0600, 106.0748

Trichromacy



Original Color

48.6166, 77.5574, 39.1958



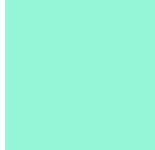
Protanomaly

58.9590, 74.8209, 35.3792



Deuteranomaly

61.8482, 74.3019, 49.1122



Tritanomaly

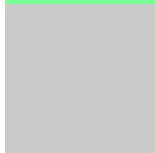
57.3126, 76.6007, 76.0547

Monochromacy



Original Color

48.6166, 77.5574, 39.1958



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.2102, 63.8198, 53.3354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6166, 77.5574, 39.1958 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(120, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 145)  
}
```

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(120, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 48.6166, 77.5574, 39.1958 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(120, 255, 145) }
```


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

```
.border{ border-color:rgb(120, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6166, 77.5574, 39.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 145) }
```

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

```
.background{ background-color: rgb(120,  
255, 145) }
```

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