

Converting Colors

XYZ(48.2380, 77.3435, 40.0279)

Have a look what the booklet for
XYZ(48.2380, 77.3435, 40.0279)
contains.

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Color

**XYZ(48.2289, 77.3396,
39.9899)**

Conversions

Conversions Part 1

Format	Color
Hex	74FF93
RGB	116, 255, 147
RGB Percent	45%, 100%, 58%
CMY	0.5451, 0.0000, 0.4235
CMYK	0.55, 0.00, 0.42, 0.00
HSL	133°, 100%, 73%
HSV	133°, 55%, 100%
XYZ	48.2289, 77.3396, 39.9899
YIQ	201.1270, -48.1760, -63.0560

Conversions

Conversions Part 2

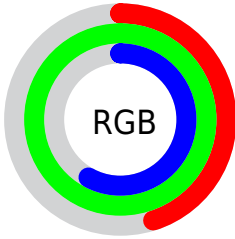
Format	Color
RYB	116, 230, 255
Decimal	7667603
CIELab	90.48, -60.15, 40.35
CIELCh	90, 72.434, 146.143
Yxy	77.3396, 0.2913, 0.4671
Android (android.graphics.Color)	4285857683 (0xFF74FF93)
YUV	201.1270, -26.6846, -74.6564
Hunter-Lab	87.9429, -56.0087, 34.5994

Details

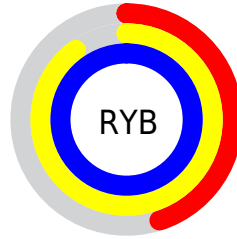
The XYZ color **48.2289, 77.3396, 39.9899** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.9399, 39.1328, 74.8613**, and the grayscale version is **55.7777, 58.6825, 63.9053**.

A 20% lighter version of the original color is **64.5521, 85.1314, 68.9069**, and **23.2041, 41.3631, 17.5874** is the 20% darker color. If you saturate the color by 10%, you get **43.8686, 75.2562, 32.3576**, and if you desaturate by 10%, it is **53.7880, 80.0100, 49.0785**.

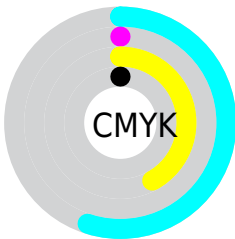
Distribution



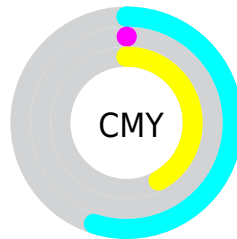
- Red (45%)
- Green (100%)
- Blue (58%)



- Red (45%)
- Yellow (90%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2289, 77.3396, 39.9899 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 48.2289, 77.3396, 39.9899 by changing the saturation by 10% instead.


 48.2289, 77.3396,
39.9899


 48.2289, 77.3396,
39.9899


370.2662,
485.9211, 361.6318


 34.2202, 57.5316,
27.2169


 86.7527, 129.6188,
76.3851

 23.2265, 41.4322,
17.5023


 111.9986,
162.8587, 100.8443

 14.8825, 28.6570,
10.4276


 141.7209,
201.3448, 130.0361

 8.8227, 18.8215,
5.5741

176.2850,
245.4615, 164.3790

 4.6819, 11.5414,
2.5233

216.0562,
295.5930, 204.2914

 2.0947, 6.4322,
0.8525


261.3999,


 0.6863, 3.1096,


352.1239, 250.1920

0.0000


312.6815,
415.4385, 302.4993


 0.0000, 1.1892,
0.0000


 0.0000, 0.0529,
0.0000


 48.2289, 77.3396,
39.9899

 48.2289, 77.3396,
39.9899


 43.8686, 75.2562,
32.3576


 53.7880, 80.0100,
49.0785


 40.6138, 73.7134,
26.1019


 60.6265, 83.3076,
59.6899


 38.3593, 72.6586,
21.1412

 68.8196, 87.2697,
71.8912

 36.9770, 72.0277,
17.3832

 78.4361, 91.9305,
85.7443

 36.4954, 71.8142,
15.7925

 89.5401, 97.3219,
101.3076

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.



59.2154, 77.3396, 22.6812



48.2289, 77.3396, 39.9899



43.9645, 77.3396, 77.6811

Triad

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



48.2289, 77.3396, 39.9899



71.1926, 77.3396, 227.9490



109.3884, 77.3396, 47.4834

Complementary

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



48.2289, 77.3396, 39.9899



60.9399, 39.1328, 74.8613

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.



113.9896, 77.3396, 91.0942



48.2289, 77.3396, 39.9899



89.9353, 77.3396, 209.1247

Square

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



48.2289, 77.3396, 39.9899



55.7736, 77.3396, 197.0682



106.3651, 77.3396, 152.8434



94.6542, 77.3396, 25.5941

Rectangle

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



48.2289, 77.3396, 39.9899



44.8891, 77.3396, 115.0748



106.3651, 77.3396, 152.8434



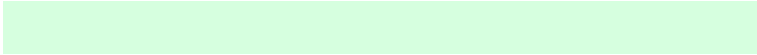
112.2655, 77.3396, 59.4250

Sweetspot

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



48.2293, 77.3398, 39.9911



76.9097, 91.1902, 83.5721



69.9275, 88.7698, 29.9721



16.0222, 19.3053, 17.2591



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.



48.2293, 77.3398, 39.9911



43.6839, 75.1682, 32.0191



55.3078, 80.1712, 77.2660



17.9374, 20.2345, 19.9735



19.1151, 37.5426, 8.4915



1.9001, 3.6710, 1.0317

Inverse Universe

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



60.9399, 39.1328, 74.8613



57.4923, 33.5101, 69.7894



53.4343, 36.1306, 35.3374



18.6091, 18.2269, 21.8245



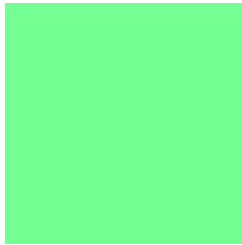
26.9413, 13.2658, 29.4049



2.6638, 1.3079, 3.0769

Previews

White Background



This preview shows how the XYZ color 48.2289, 77.3396, 39.9899 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 48.2289, 77.3396, 39.9899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

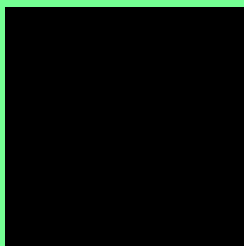
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2289, 77.3396, 39.9899

Background



This preview shows how black text looks on a background with the XYZ color 48.2289, 77.3396, 39.9899.



This preview shows how white text looks on a background with the XYZ color 48.2289, 77.3396,

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

48.2289, 77.3396, 39.9899

Protanopia

69.9981, 75.9444, 34.2620

Deuteranopia

75.5902, 75.9492, 56.5746



Tritanopia

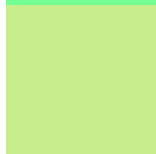
64.2263, 76.8455, 106.0553

Trichromacy



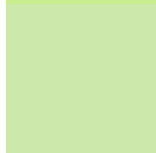
Original Color

48.2289, 77.3396, 39.9899



Protanomaly

58.5710, 74.6039, 36.1239



Deuteranomaly

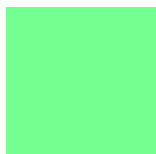
61.3914, 74.0555, 49.5865



Tritanomaly

57.0797, 76.4657, 76.7167

Monochromacy



Original Color

48.2289, 77.3396, 39.9899



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.7745, 63.5951, 53.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2289, 77.3396, 39.9899 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(116, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 147)  
}
```

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(116, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 48.2289, 77.3396, 39.9899 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(116, 255, 147) }
```


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

```
.border{ border-color:rgb(116, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2289, 77.3396, 39.9899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 147) }
```

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

```
.background{ background-color: rgb(116,  
255, 147) }
```

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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