

Converting Colors

XYZ(48.3988, 77.4278, 39.9713)

Have a look what the booklet for
XYZ(48.3988, 77.4278, 39.9713)
contains.

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Color

**XYZ(48.3626, 77.4085,
39.9961)**

Conversions

Conversions Part 1

Format	Color
Hex	75FF93
RGB	117, 255, 147
RGB Percent	46%, 100%, 58%
CMY	0.5412, 0.0000, 0.4235
CMYK	0.54, 0.00, 0.42, 0.00
HSL	133°, 100%, 73%
HSV	133°, 54%, 100%
XYZ	48.3626, 77.4085, 39.9961
YIQ	201.4260, -47.5800, -62.8440

Conversions

Conversions Part 2

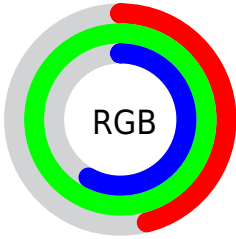
Format	Color
RYB	117, 230, 255
Decimal	7733139
CIELab	90.51, -59.92, 40.40
CIELCh	91, 72.268, 146.010
Yxy	77.4085, 0.2918, 0.4670
Android (android.graphics.Color)	4285923219 (0xFF75FF93)
YUV	201.4260, -26.8320, -74.0416
Hunter-Lab	87.9821, -55.8496, 34.6346

Details

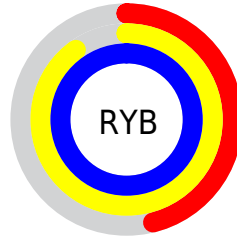
The XYZ color **48.3626, 77.4085, 39.9961** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **61.1920, 39.4192, 75.6169**, and the grayscale version is **55.9644, 58.8789, 64.1191**.

A 20% lighter version of the original color is **64.7808, 85.2492, 68.9176**, and **23.2984, 41.4117, 17.5918** is the 20% darker color. If you saturate the color by 10%, you get **43.9578, 75.3033, 32.3128**, and if you desaturate by 10%, it is **53.9729, 80.1038, 49.1563**.

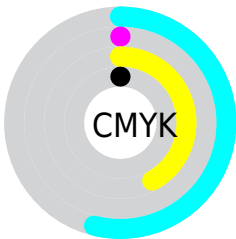
Distribution



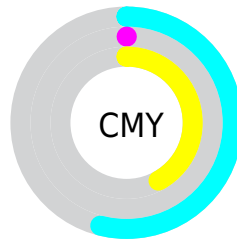
- Red (46%)
- Green (100%)
- Blue (58%)



- Red (46%)
- Yellow (90%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3626, 77.4085, 39.9961 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 48.3626, 77.4085, 39.9961 by changing the saturation by 10% instead.


 48.3626, 77.4085,
39.9961


 48.3626, 77.4085,
39.9961


370.7863,
486.1557, 361.6587


 34.3266, 57.5882,
27.2217


 86.9505, 129.7160,
76.3946

 23.3087, 41.4777,
17.5059


 112.2330,
162.9719, 100.8558

 14.9435, 28.6925,
10.4301


 141.9951,
201.4752, 130.0497

 8.8658, 18.8483,
5.5757

176.6021,
245.6103, 164.3949

 4.7102, 11.5607,
2.5243

216.4194,
295.7614, 204.3098

 2.1112, 6.4453,
0.8530


261.8123,


 0.6953, 3.1177,


352.3131, 250.2131


0.0000

313.1461,
415.6498, 302.5232


 0.0000, 1.1935,
0.0000


 0.0000, 0.0564,
0.0000


 48.3626, 77.4085,
39.9961


 48.3626, 77.4085,
39.9961


 43.9578, 75.3033,
32.3128


 53.9729, 80.1038,
49.1563


 40.6655, 73.7418,
26.0252

 60.8694, 83.4293,
59.8616

 38.3805, 72.6716,
21.0498

 69.1273, 87.4222,
72.1800

 36.9755, 72.0290,
17.2924

 78.8154, 92.1169,
86.1749

■ 36.4601, 71.8001,
15.6068

■ 89.9978, 97.5451,
101.9058

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.



59.3656, 77.4085, 22.7558



48.3626, 77.4085, 39.9961



44.0716, 77.4085, 77.5478

Triad

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



48.3626, 77.4085, 39.9961



71.1829, 77.4085, 227.6209



109.4266, 77.4085, 47.7459

Complementary

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



48.3626, 77.4085, 39.9961



61.1920, 39.4192, 75.6169

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.



113.9632, 77.4085, 91.4009



48.3626, 77.4085, 39.9961



89.8869, 77.4085, 209.0725

Square

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



48.3626, 77.4085, 39.9961



55.8093, 77.4085, 196.6382



106.3063, 77.4085, 153.0516



94.7585, 77.4085, 25.7727

Rectangle

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



48.3626, 77.4085, 39.9961



44.9754, 77.4085, 114.8150



106.3063, 77.4085, 153.0516



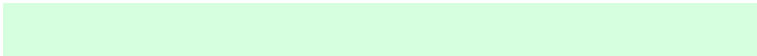
112.2803, 77.4085, 59.7117

Sweetspot

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



48.3631, 77.4087, 39.9973



76.8787, 91.1777, 83.4087



70.0536, 88.8281, 30.2835



16.0149, 19.3024, 17.2206



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.



48.3631, 77.4087, 39.9973



43.6237, 75.1442, 31.7025



55.4782, 80.2548, 77.4651



17.9332, 20.2328, 19.9511



19.0958, 37.5349, 8.3896



1.8976, 3.6700, 1.0188

Inverse Universe

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



61.1920, 39.4192, 75.6169



57.6149, 33.5591, 70.4350



53.6108, 36.3867, 35.6952



18.6136, 18.2288, 21.8486



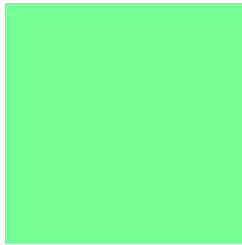
27.0274, 13.3003, 29.8585



2.6715, 1.3110, 3.1175

Previews

White Background



This preview shows how the XYZ color 48.3626, 77.4085, 39.9961 looks on a white background.

Color Contrast Check

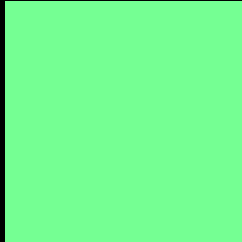
Large Text (above 18pt) WCAG AA × Fail

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 48.3626, 77.4085, 39.9961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

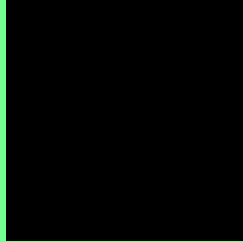
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3626, 77.4085, 39.9961

Background



This preview shows how black text looks on a background with the XYZ color 48.3626, 77.4085, 39.9961.



This preview shows how white text looks on a background with the XYZ color 48.3626, 77.4085,

39.9961.

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

48.3626, 77.4085, 39.9961

Protanopia

69.9981, 75.9444, 34.2620

Deuteranopia

75.5902, 75.9492, 56.5746



Tritanopia

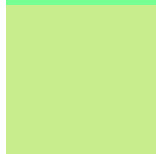
64.4336, 76.9523, 106.0650

Trichromacy



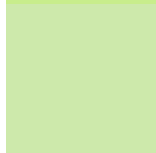
Original Color

48.3626, 77.4085, 39.9961



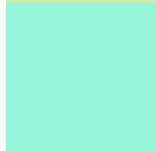
Protanomaly

58.8372, 74.7412, 36.1364



Deuteranomaly

61.6664, 74.1972, 49.5994



Tritanomaly

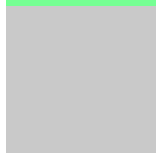
57.2598, 76.5586, 76.7251

Monochromacy



Original Color

48.3626, 77.4085, 39.9961



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 48.3626, 77.4085, 39.9961 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(117, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 48.3626, 77.4085, 39.9961 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(117, 255, 147) }
```


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

```
.border{ border-color:rgb(117, 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(117, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3626, 77.4085, 39.9961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 147) }
```

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

```
.background{ background-color: rgb(117,  
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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