

Converting Colors

$Y_{xy}(46.5598, 0.3275, 0.5781)$

Have a look what the booklet for
Yxy(46.5598, 0.3275, 0.5781)
contains.

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Color

Yxy(46.7993, 0.3277, 0.5780)

Conversions

Conversions Part 1

Format	Color
Hex	5ACF00
RGB	90, 207, 0
RGB Percent	35%, 81%, 0%
CMY	0.6469, 0.1882, 0.9998
CMYK	0.56, 0.00, 1.00, 0.19
HSL	94°, 100%, 41%
HSV	94°, 100%, 81%
XYZ	26.5331, 46.7993, 7.6352
YIQ	148.4190, -3.2850, -89.1810

Conversions

Conversions Part 2

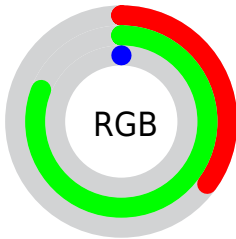
Format	Color
RYB	0, 207, 117
Decimal	5951232
CIELab	74.06, -61.42, 72.80
CIELCh	74, 95.249, 130.151
Yxy	46.7993, 0.3277, 0.5780
Android (android.graphics.Color)	4284141312 (0xFF5ACF00)
YUV	148.4190, -73.1706, -51.2335
Hunter-Lab	68.4100, -50.4856, 41.2696

Details

The Yxy color **46.7993, 0.3277, 0.5780** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **8.2870, 0.2149, 0.0958**, and the grayscale version is **30.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8199, 0.3355, 0.5260**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.8000, 0.3277, 0.5780**, and if you desaturate by 10%, it is **47.4883, 0.3330, 0.5668**.

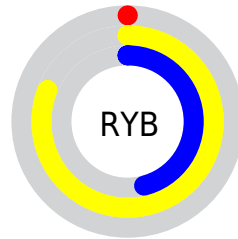
Distribution



Red (35%)

Green (81%)

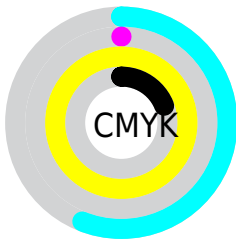
Blue (0%)



Red (0%)

Yellow (81%)

Blue (46%)

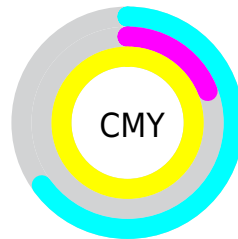


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (65%)


Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7993, 0.3277, 0.5780 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 Yxy color 46.7993, 0.3277, 0.5780 by changing the saturation by 10% instead.


 46.7993, 0.3277,
0.5780


 46.7993, 0.3277,
0.5780


374.0128, 0.3327,
0.4483


 32.8770, 0.3214,
0.6087


 85.4140, 0.3332,
0.5314

 22.0323, 0.3102,
0.6457


 110.8751, 0.3341,
0.5135


 13.8806, 0.2934,
0.6955


 140.9514, 0.3345,
0.4984


 8.0377, 0.2581,
0.7419

 176.0271, 0.3344,
0.4854

 4.1191, 0.2027,
0.7973

 216.4868, 0.3342,
0.4742

 1.7404, 0.0000,
1.0000

 262.7147, 0.3338,

 0.4496, 0.0000,

0.4645

1.0000

315.0952, 0.3333,
0.4559

■ 0.0000, 0.0000,
0.0000

■ 46.7993, 0.3277,
0.5780

■ 46.7993, 0.3277,
0.5780

■ 46.8000, 0.3277,
0.5780

■ 47.4883, 0.3330,
0.5668

■ 48.3285, 0.3369,
0.5503

■ 49.3451, 0.3389,
0.5281

■ 50.5519, 0.3388,
0.5014

■ 51.9613, 0.3369,
0.4719

■ 53.5841, 0.3336,
0.4412

■ 55.4304, 0.3291,
0.4107

■ 57.5095, 0.3239,
0.3814

■ 59.8302, 0.3184,
0.3540

Harmonies

Analogous

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



46.7993, 0.4381, 0.5263



46.7993, 0.3277, 0.5780



46.7993, 0.2193, 0.5069

Triad

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



46.7993, 0.3277, 0.5780



46.7993, 0.1220, 0.1666



46.7993, 0.5065, 0.2784

Complementary

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



46.7993, 0.3277, 0.5780



8.2870, 0.2149, 0.0958

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.



46.7993, 0.3776, 0.2131



46.7993, 0.3277, 0.5780



46.7993, 0.1642, 0.1522

Square

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



46.7993, 0.3277, 0.5780



46.7993, 0.1141, 0.2238



46.7993, 0.2491, 0.1687



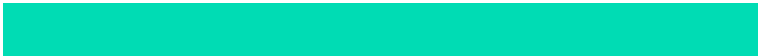
46.7993, 0.5620, 0.3531

Rectangle

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



46.7993, 0.3277, 0.5780



46.7993, 0.1632, 0.3996



46.7993, 0.2491, 0.1687



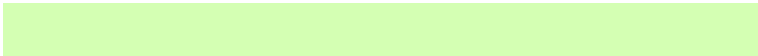
46.7993, 0.4684, 0.2551

Sweetspot

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



46.8013, 0.3277, 0.5780



88.7176, 0.3293, 0.4118



25.2702, 0.5271, 0.4197



18.7106, 0.3313, 0.4248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8013, 0.3277, 0.5780



74.8933, 0.3269, 0.5787



44.6480, 0.2992, 0.5973



13.4541, 0.3181, 0.3526



29.5403, 0.3287, 0.5772



1.6982, 0.3433, 0.5656

Inverse Universe

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



8.2870, 0.2149, 0.0958



13.1579, 0.2138, 0.0951



17.2813, 0.3339, 0.1613



11.7425, 0.3069, 0.3056



5.2768, 0.2162, 0.0965



0.3415, 0.2349, 0.1068

Previews

White Background



This preview shows how the Yxy color 46.7993, 0.3277, 0.5780 looks on a white background.

Color Contrast Check

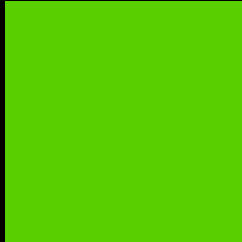
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.7993, 0.3277, 0.5780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

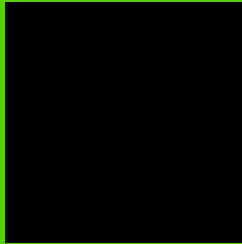
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7993, 0.3277, 0.5780

Background



This preview shows how black text looks on a background with the Yxy color 46.7993, 0.3277, 0.5780.



This preview shows how white text looks on a background with the Yxy color 46.7993, 0.3277, 0.5780.

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

46.7993, 0.3277, 0.5780

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

45.6311, 0.4624, 0.4521



Tritanopia

46.3183, 0.2524, 0.3067

Trichromacy



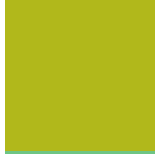
Original Color

46.7993, 0.3277, 0.5780



Protanomaly

44.6134, 0.3944, 0.5250



Deuteranomaly

43.7072, 0.4087, 0.5037



Tritanomaly

44.9134, 0.2928, 0.4304

Monochromacy



Original Color

46.7993, 0.3277, 0.5780



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.6961, 0.3353, 0.4527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7993, 0.3277, 0.5780 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(90, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 207, 0)  
}
```

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(90, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.7993, 0.3277, 0.5780 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(90, 207, 0) }
```

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

```
.border{ border-color:rgb(90, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 207, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.7993, 0.3277, 0.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 207, 0) }
```

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

```
.background{ background-color: rgb(90, 207,  
0) }
```

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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