

Converting Colors

$Y_{xy}(44.0179, 0.3362, 0.5712)$

Have a look what the booklet for
Yxy(44.0179, 0.3362, 0.5712)
contains.

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Color

Yxy(44.0179, 0.3362, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	64C800
RGB	100, 200, 0
RGB Percent	39%, 78%, 0%
CMY	0.6080, 0.2157, 0.9992
CMYK	0.50, 0.00, 1.00, 0.22
HSL	90°, 100%, 39%
HSV	90°, 100%, 78%
XYZ	25.9083, 44.0179, 7.1360
YIQ	147.3000, 4.6000, -83.4000

Conversions

Conversions Part 2

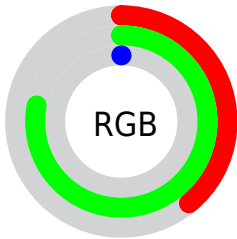
Format	Color
RYB	0, 200, 100
Decimal	6604800
CIELab	72.24, -56.15, 71.50
CIELCh	72, 90.917, 128.144
Yxy	44.0179, 0.3362, 0.5712
Android (android.graphics.Color)	4284794880 (0xFF64C800)
YUV	147.3000, -72.6189, -41.4821
Hunter-Lab	66.3460, -46.4007, 40.0652

Details

The Yxy color **44.0179, 0.3362, 0.5712** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.8977, 0.2020, 0.0887**, and the grayscale version is **29.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5877, 0.3410, 0.5245**, and **20.5120, 0.3078, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **44.0136, 0.3361, 0.5713**, and if you desaturate by 10%, it is **44.6769, 0.3412, 0.5602**.

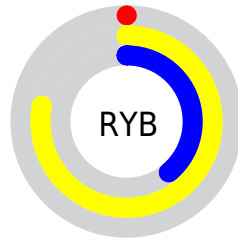
Distribution



Red (39%)

Green (78%)

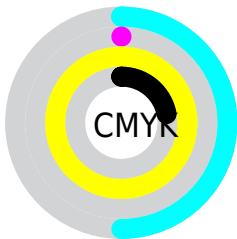
Blue (0%)



Red (0%)

Yellow (78%)

Blue (39%)

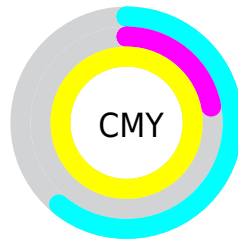


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (61%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0179, 0.3362, 0.5712 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 44.0179, 0.3362, 0.5712 by changing the saturation by 10% instead.


 44.0179, 0.3362,
0.5712


 44.0179, 0.3362,
0.5712


362.7813, 0.3366,
0.4447


 30.6846, 0.3309,
0.6012


 81.2447, 0.3400,
0.5256


 20.3588, 0.3208,
0.6373


 105.9069, 0.3403,
0.5082


 12.6561, 0.3063,
0.6887


 135.1143, 0.3401,
0.4935

 7.1922, 0.2699,
0.7301

 169.2511, 0.3396,
0.4808

 3.5826, 0.2141,
0.7859

 208.7018, 0.3389,
0.4699

 1.4429, 0.0000,
1.0000

 253.8509, 0.3382,

 0.2480, 0.0000,

0.4604

1.0000

305.0826, 0.3374,
0.4521

■ 0.0000, 0.0000,
0.0000

■ 44.0179, 0.3362,
0.5712

■ 44.0179, 0.3362,
0.5712

■ 44.0136, 0.3361,
0.5713

■ 44.6769, 0.3412,
0.5602

■ 45.4592, 0.3446,
0.5442

■ 46.3869, 0.3459,
0.5229

■ 47.4716, 0.3450,
0.4973

■ 48.7235, 0.3421,
0.4689

■ 50.1518, 0.3377,
0.4392

■ 51.7647, 0.3322,
0.4094

■ 53.5700, 0.3259,
0.3807

■ 55.5747, 0.3193,
0.3537

Harmonies

Analogous

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



44.0179, 0.4438, 0.5178



44.0179, 0.3362, 0.5712



44.0179, 0.2285, 0.5103

Triad

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



44.0179, 0.3362, 0.5712



44.0179, 0.1237, 0.1721



44.0179, 0.4948, 0.2753

Complementary

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



44.0179, 0.3362, 0.5712



6.8977, 0.2020, 0.0887

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.



44.0179, 0.3671, 0.2117



44.0179, 0.3362, 0.5712



44.0179, 0.1631, 0.1553

Square

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



44.0179, 0.3362, 0.5712



44.0179, 0.1183, 0.2324



44.0179, 0.2437, 0.1696



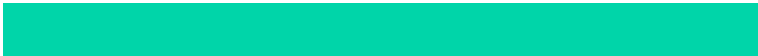
44.0179, 0.5558, 0.3488

Rectangle

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



44.0179, 0.3362, 0.5712



44.0179, 0.1713, 0.4089



44.0179, 0.2437, 0.1696



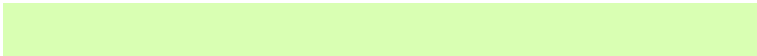
44.0179, 0.4563, 0.2525

Sweetspot

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



44.0198, 0.3362, 0.5712



89.4601, 0.3325, 0.4110



21.4151, 0.5413, 0.4083



18.8856, 0.3349, 0.4236



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.



44.0198, 0.3362, 0.5712



76.0574, 0.3352, 0.5721



41.3134, 0.3000, 0.5999



12.1436, 0.3190, 0.3524



28.0366, 0.3371, 0.5705



1.3706, 0.3532, 0.5577

Inverse Universe

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



6.8977, 0.2020, 0.0887



11.7836, 0.2005, 0.0878



16.4551, 0.3209, 0.1542



10.5439, 0.3060, 0.3057



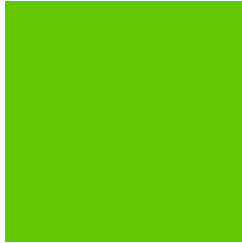
4.4323, 0.2034, 0.0894



0.2529, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 44.0179, 0.3362, 0.5712 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 44.0179, 0.3362, 0.5712 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 44.0179, 0.3362, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 44.0179, 0.3362, 0.5712.



This preview shows how white text looks on a background with the Yxy color 44.0179, 0.3362, 0.5712.

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

44.0179, 0.3362, 0.5712

Protanopia

43.1928, 0.4413, 0.4878

Deuteranopia

43.1697, 0.4620, 0.4529



Tritanopia

43.8469, 0.2587, 0.3077

Trichromacy



Original Color

44.0179, 0.3362, 0.5712



Protanomaly

42.4845, 0.3986, 0.5217



Deuteranomaly

41.6619, 0.4134, 0.5001



Tritanomaly

42.6020, 0.3000, 0.4280

Monochromacy



Original Color

44.0179, 0.3362, 0.5712



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.8264, 0.3392, 0.4478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0179, 0.3362, 0.5712 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(100, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 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(100, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.0179, 0.3362, 0.5712 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(100, 200, 0) }
```

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

```
.border{ border-color:rgb(100, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0179, 0.3362, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 0) }
```

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

```
.background{ background-color: rgb(100,  
200, 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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