

Converting Colors

$Y_{xy}(45.6686, 0.3322, 0.5744)$

Have a look what the booklet for
Yxy(45.6686, 0.3322, 0.5744)
contains.

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Color

Yxy(45.6725, 0.3322, 0.5744)

Conversions

Conversions Part 1

Format	Color
Hex	60CC00
RGB	96, 204, 0
RGB Percent	38%, 80%, 0%
CMY	0.6237, 0.2000, 0.9995
CMYK	0.53, 0.00, 1.00, 0.20
HSL	92°, 100%, 40%
HSV	92°, 100%, 80%
XYZ	26.4144, 45.6725, 7.4266
YIQ	148.4520, 1.1160, -86.3400

Conversions

Conversions Part 2

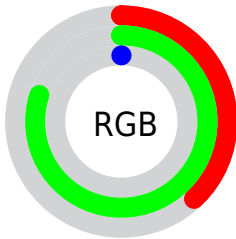
Format	Color
RYB	0, 204, 108
Decimal	6343680
CIELab	73.33, -58.76, 72.31
CIELCh	73, 93.174, 129.101
Yxy	45.6725, 0.3322, 0.5744
Android (android.graphics.Color)	4284533760 (0xFF60CC00)
YUV	148.4520, -73.1868, -46.0004
Hunter-Lab	67.5814, -48.5004, 40.7916

Details

The Yxy color **45.6725, 0.3322, 0.5744** 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 **7.5619, 0.2077, 0.0918**, and the grayscale version is **30.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2973, 0.3388, 0.5249**, and **21.6141, 0.3034, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **45.6704, 0.3322, 0.5745**, and if you desaturate by 10%, it is **46.3536, 0.3374, 0.5633**.

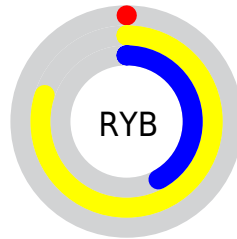
Distribution



Red (38%)

Green (80%)

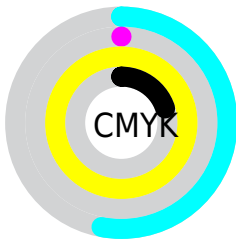
Blue (0%)



Red (0%)

Yellow (80%)

Blue (42%)

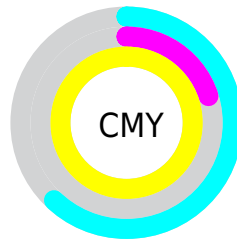


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (62%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6725, 0.3322, 0.5744 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 45.6725, 0.3322, 0.5744 by changing the saturation by 10% instead.


 45.6725, 0.3322,
0.5744


 45.6725, 0.3322,
0.5744


369.4904, 0.3348,
0.4465

 31.9875, 0.3264,
0.6046


 83.7287, 0.3368,
0.5284


 21.3519, 0.3159,
0.6410


 108.8686, 0.3374,
0.5108


 13.3815, 0.3002,
0.6911


 138.5955, 0.3375,
0.4959

 7.6918, 0.2648,
0.7352

 173.2940, 0.3372,
0.4831

 3.8984, 0.2096,
0.7904

 213.3483, 0.3367,
0.4721

 1.6169, 0.0000,
1.0000

 259.1429, 0.3361,

 0.3689, 0.0000,

0.4625

1.0000

311.0621, 0.3355,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 45.6725, 0.3322,
0.5744

■ 45.6725, 0.3322,
0.5744

■ 45.6704, 0.3322,
0.5745

■ 46.3536, 0.3374,
0.5633

■ 47.1716, 0.3411,
0.5471

■ 48.1499, 0.3427,
0.5253

■ 49.3015, 0.3422,
0.4992

■ 50.6373, 0.3398,
0.4703

■ 52.1674, 0.3358,
0.4401

■ 53.9009, 0.3308,
0.4100

■ 55.8462, 0.3250,
0.3811

■ 58.0114, 0.3189,
0.3539

Harmonies

Analogous

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



45.6725, 0.4411, 0.5218



45.6725, 0.3322, 0.5744



45.6725, 0.2242, 0.5087

Triad

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



45.6725, 0.3322, 0.5744



45.6725, 0.1229, 0.1695



45.6725, 0.5003, 0.2768

Complementary

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



45.6725, 0.3322, 0.5744



7.5619, 0.2077, 0.0918

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.



45.6725, 0.3720, 0.2124



45.6725, 0.3322, 0.5744



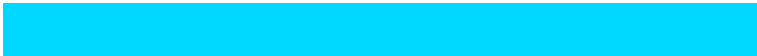
45.6725, 0.1636, 0.1538

Square

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



45.6725, 0.3322, 0.5744



45.6725, 0.1163, 0.2283



45.6725, 0.2463, 0.1692



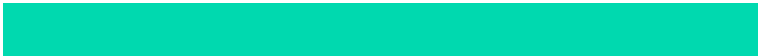
45.6725, 0.5588, 0.3508

Rectangle

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



45.6725, 0.3322, 0.5744



45.6725, 0.1675, 0.4045



45.6725, 0.2463, 0.1692



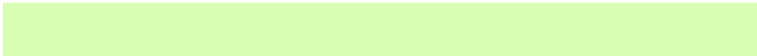
45.6725, 0.4620, 0.2538

Sweetspot

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



45.6745, 0.3322, 0.5744



89.1198, 0.3310, 0.4114



23.0373, 0.5366, 0.4120



18.8053, 0.3333, 0.4242



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.



45.6745, 0.3322, 0.5744



75.5033, 0.3313, 0.5752



43.1979, 0.2997, 0.5990



12.7911, 0.3186, 0.3525



28.7976, 0.3332, 0.5737



1.5307, 0.3485, 0.5615

Inverse Universe

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



7.5619, 0.2077, 0.0918



12.3822, 0.2064, 0.0911



17.0400, 0.3251, 0.1565



11.1317, 0.3064, 0.3056



4.8109, 0.2091, 0.0925



0.2931, 0.2299, 0.1040

Previews

White Background



This preview shows how the Yxy color 45.6725, 0.3322, 0.5744 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 45.6725, 0.3322, 0.5744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

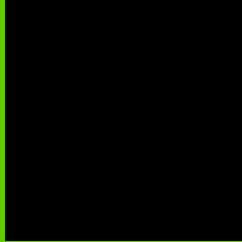
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6725, 0.3322, 0.5744

Background



This preview shows how black text looks on a background with the Yxy color 45.6725, 0.3322, 0.5744.



This preview shows how white text looks on a background with the Yxy color 45.6725, 0.3322, 0.5744.

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

45.6725, 0.3322, 0.5744

Protanopia

44.7968, 0.4410, 0.4880

Deuteranopia

44.9242, 0.4621, 0.4528



Tritanopia

45.5947, 0.2559, 0.3080

Trichromacy



Original Color

45.6725, 0.3322, 0.5744



Protanomaly

43.7530, 0.3961, 0.5237



Deuteranomaly

43.0000, 0.4114, 0.5014



Tritanomaly

44.2463, 0.2960, 0.4287

Monochromacy



Original Color

45.6725, 0.3322, 0.5744



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.4805, 0.3376, 0.4507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6725, 0.3322, 0.5744 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(96, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 204, 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(96, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.6725, 0.3322, 0.5744 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(96, 204, 0) }
```

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

```
.border{ border-color:rgb(96, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.6725, 0.3322, 0.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 204, 0) }
```

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

```
.background{ background-color: rgb(96, 204,  
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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