

Converting Colors

$Y_{xy}(45.9664, 0.3778, 0.4944)$

Have a look what the booklet for
Yxy(45.9664, 0.3778, 0.4944)
contains.

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Color

Yxy(45.9620, 0.3776, 0.4946)

Conversions

Conversions Part 1

Format	Color
Hex	A4C040
RGB	164, 192, 64
RGB Percent	64%, 75%, 25%
CMY	0.3568, 0.2471, 0.7489
CMYK	0.15, 0.00, 0.67, 0.25
HSL	73°, 50%, 50%
HSV	73°, 67%, 75%
XYZ	35.0895, 45.9620, 11.8761
YIQ	169.0360, 24.4000, -45.7440

Conversions

Conversions Part 2

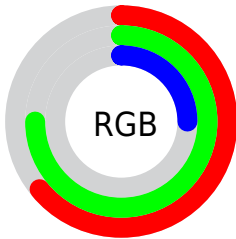
Format	Color
RYB	64, 192, 92
Decimal	10797120
CIELab	73.52, -27.18, 58.79
CIELCh	74, 64.766, 114.812
Yxy	45.9620, 0.3776, 0.4946
Android (android.graphics.Color)	4288987200 (0xFFA4C040)
YUV	169.0360, -51.7827, -4.4166
Hunter-Lab	67.7953, -26.2537, 37.0705

Details

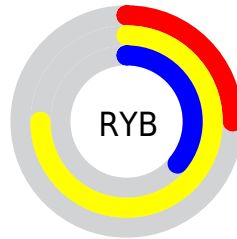
The Yxy color **45.9620, 0.3776, 0.4946** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.7509, 0.2062, 0.1276**, and the grayscale version is **39.9516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8150, 0.3697, 0.4649**, and **21.4282, 0.3835, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **45.3424, 0.3815, 0.5120**, and if you desaturate by 10%, it is **46.6757, 0.3714, 0.4734**.

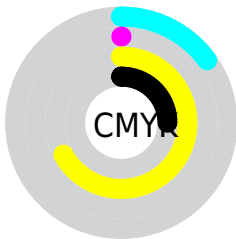
Distribution



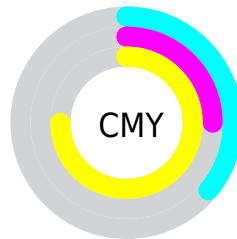
- Red (64%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (36%)



- Cyan (15%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)





- Cyan (36%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9620, 0.3776, 0.4946 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 45.9620, 0.3776, 0.4946 by changing the saturation by 10% instead.


 45.9620, 0.3776,
0.4946


 45.9620, 0.3776,
0.4946

370.6559, 0.3510,
0.4111


 32.2158, 0.3814,
0.5142


 84.1621, 0.3698,
0.4649

 21.5264, 0.3845,
0.5380


 109.3849, 0.3663,
0.4534


 13.5093, 0.3850,
0.5669


 139.2019, 0.3631,
0.4437

 7.7802, 0.3871,
0.6129

 173.9977, 0.3602,
0.4353

 3.9546, 0.3607,
0.6393

 214.1566, 0.3575,
0.4281

 1.6482, 0.3154,
0.6846

260.0630, 0.3551,

 0.3898, 0.0000,

0.4217

1.0000

312.1013, 0.3530,
0.4161

■ 0.0000, 0.0000,
0.0000

■ 45.9620, 0.3776,
0.4946

■ 45.9620, 0.3776,
0.4946

■ 45.3424, 0.3815,
0.5120

■ 46.6757, 0.3714,
0.4734

■ 44.8026, 0.3828,
0.5249

■ 47.4843, 0.3631,
0.4493

■ 44.3335, 0.3817,
0.5333

■ 48.3963, 0.3534,
0.4235

■ 44.1853, 0.3810,
0.5356

■ 49.4174, 0.3426,
0.3969

■ 50.5528, 0.3314,
0.3706

■ 51.8074, 0.3201,
0.3452

■ 53.1857, 0.3091,
0.3211

■ 54.6922, 0.2984,
0.2987

■ 56.3308, 0.2884,
0.2781

Harmonies

Analogous

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



45.9620, 0.4501, 0.4527



45.9620, 0.3776, 0.4946



45.9620, 0.2928, 0.4796

Triad

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



45.9620, 0.3776, 0.4946



45.9620, 0.1615, 0.2305



45.9620, 0.4053, 0.2682

Complementary

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



45.9620, 0.3776, 0.4946



9.7509, 0.2062, 0.1276

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.



45.9620, 0.3118, 0.2231



45.9620, 0.3776, 0.4946



45.9620, 0.1811, 0.1995

Square

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



45.9620, 0.3776, 0.4946



45.9620, 0.1728, 0.2985



45.9620, 0.2316, 0.1987



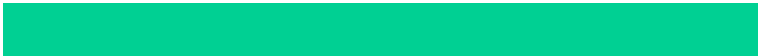
45.9620, 0.4748, 0.3264

Rectangle

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



45.9620, 0.3776, 0.4946



45.9620, 0.2404, 0.4297



45.9620, 0.2316, 0.1987



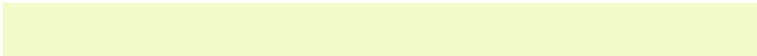
45.9620, 0.3747, 0.2513

Sweetspot

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



45.9641, 0.3776, 0.4946



90.8219, 0.3356, 0.3802



19.1885, 0.5011, 0.3633



19.3594, 0.3387, 0.3877



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.9641, 0.3776, 0.4946



81.6898, 0.3824, 0.5185



40.7945, 0.3244, 0.5280



11.6437, 0.3232, 0.3520



29.7679, 0.3815, 0.5353



1.3144, 0.3904, 0.5282

Inverse Universe

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



9.7509, 0.2062, 0.1276



11.5381, 0.1824, 0.0917



14.5176, 0.2752, 0.1597



9.8518, 0.3016, 0.3054



2.9202, 0.1622, 0.0667



0.1574, 0.1850, 0.0793

Previews

White Background



This preview shows how the Yxy color 45.9620, 0.3776, 0.4946 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 45.9620, 0.3776, 0.4946 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 45.9620, 0.3776, 0.4946

Background



This preview shows how black text looks on a background with the Yxy color 45.9620, 0.3776, 0.4946.



This preview shows how white text looks on a background with the Yxy color 45.9620, 0.3776, 0.4946.

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

45.9620, 0.3776, 0.4946

Protanopia

45.9412, 0.4225, 0.4652

Deuteranopia

45.4280, 0.4459, 0.4362



Tritanopia

46.0025, 0.3001, 0.3108

Trichromacy



Original Color

45.9620, 0.3776, 0.4946

Protanomaly

45.7371, 0.4057, 0.4763

Deuteranomaly

45.2141, 0.4205, 0.4579

Tritanomaly

45.2718, 0.3327, 0.3799

Monochromacy



Original Color

45.9620, 0.3776, 0.4946

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2985, 0.3418, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9620, 0.3776, 0.4946 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(164, 192, 64)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 64)  
}
```

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(164, 192, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 64) }
```

Border

The CSS property to change the border of an element to Yxy 45.9620, 0.3776, 0.4946 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(164, 192, 64) }
```

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

```
.border{ border-color:rgb(164, 192, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 192, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 64);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9620, 0.3776, 0.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 64) }
```

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

```
.background{ background-color: rgb(164,  
192, 64) }
```

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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