

Converting Colors

$Y_{xy}(45.8602, 0.3994, 0.5211)$

Have a look what the booklet for
Yxy(45.8602, 0.3994, 0.5211)
contains.

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Color

Yxy(45.6966, 0.3992, 0.5213)

Conversions

Conversions Part 1

Format	Color
Hex	A9BF00
RGB	169, 191, 0
RGB Percent	66%, 75%, 0%
CMY	0.3372, 0.2510, 1.0000
CMYK	0.12, 0.00, 1.00, 0.25
HSL	67°, 100%, 37%
HSV	67°, 100%, 75%
XYZ	34.9934, 45.6966, 6.9689
YIQ	162.6480, 48.1990, -64.0650

Conversions

Conversions Part 2

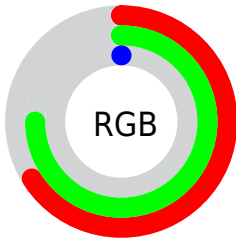
Format	Color
RYB	0, 191, 22
Decimal	11124480
CIELab	73.35, -26.76, 74.05
CIELCh	73, 78.735, 109.871
Yxy	45.6966, 0.3992, 0.5213
Android (android.graphics.Color)	4289314560 (0xFFA9BF00)
YUV	162.6480, -80.1855, 5.5707
Hunter-Lab	67.5993, -25.8964, 41.2072

Details

The Yxy color **45.6966, 0.3992, 0.5213** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.9323, 0.1540, 0.0622**, and the grayscale version is **36.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6096, 0.3909, 0.4896**, and **21.6217, 0.3872, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **45.6992, 0.3992, 0.5213**, and if you desaturate by 10%, it is **45.9919, 0.3990, 0.5156**.

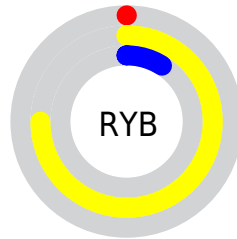
Distribution



Red (66%)

Green (75%)

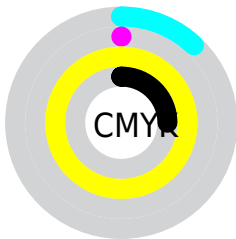
Blue (0%)



Red (0%)

Yellow (75%)

Blue (9%)

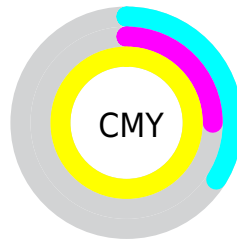


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (34%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6966, 0.3992, 0.5213 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 45.6966, 0.3992, 0.5213 by changing the saturation by 10% instead.


 45.6966, 0.3992,
0.5213


 45.6966, 0.3992,
0.5213


369.5875, 0.3664,
0.4284

 32.0065, 0.4025,
0.5407


 83.7648, 0.3907,
0.4899


 21.3664, 0.4036,
0.5626


 108.9116, 0.3864,
0.4772

 13.3921, 0.4047,
0.5932


 138.6460, 0.3824,
0.4663

 7.6991, 0.3884,
0.6116

 173.3526, 0.3786,
0.4567

 3.9030, 0.3622,
0.6378

 213.4157, 0.3752,
0.4483

 1.6195, 0.3169,
0.6831

 259.2196, 0.3720,

 0.3707, 0.0000,

0.4409

1.0000

311.1487, 0.3690,
0.4343

■ 0.0000, 0.0000,
0.0000

■ 45.6966, 0.3992,
0.5213

■ 45.6966, 0.3992,
0.5213

■ 45.6992, 0.3992,
0.5213

■ 45.9919, 0.3990,
0.5156

■ 46.3352, 0.3967,
0.5063

■ 46.7460, 0.3919,
0.4925

■ 47.2327, 0.3845,
0.4747

■ 47.8026, 0.3751,
0.4534

■ 48.4620, 0.3639,
0.4296

■ 49.2166, 0.3515,
0.4045

■ 50.0716, 0.3386,
0.3788

■ 51.0318, 0.3255,
0.3534

Harmonies

Analogous

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



45.6966, 0.4825, 0.4566



45.6966, 0.3992, 0.5213



45.6966, 0.3006, 0.5266

Triad

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



45.6966, 0.3992, 0.5213



45.6966, 0.1367, 0.2197



45.6966, 0.4061, 0.2465

Complementary

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



45.6966, 0.3992, 0.5213



3.9323, 0.1540, 0.0622

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.



45.6966, 0.2923, 0.1989



45.6966, 0.3992, 0.5213



45.6966, 0.1535, 0.1802

Square

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



45.6966, 0.3992, 0.5213



45.6966, 0.1536, 0.3066



45.6966, 0.2041, 0.1755



45.6966, 0.4995, 0.3101

Rectangle

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



45.6966, 0.3992, 0.5213



45.6966, 0.2376, 0.4737



45.6966, 0.2041, 0.1755



45.6966, 0.3675, 0.2283

Sweetspot

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



45.6992, 0.3992, 0.5213



88.0754, 0.3522, 0.4057



11.5460, 0.6323, 0.3361



19.2099, 0.3575, 0.4165



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.



45.6992, 0.3992, 0.5213



81.7753, 0.3988, 0.5215



38.8162, 0.3240, 0.5810



11.0633, 0.3247, 0.3518



30.0541, 0.3995, 0.5210



1.1933, 0.4045, 0.5170

Inverse Universe

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



3.9323, 0.1540, 0.0622



6.9908, 0.1534, 0.0618



7.3797, 0.2230, 0.1002



9.2766, 0.3001, 0.3054



2.6027, 0.1547, 0.0626



0.1196, 0.1701, 0.0711

Previews

White Background



This preview shows how the Yxy color 45.6966, 0.3992, 0.5213 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 45.6966, 0.3992, 0.5213 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 45.6966, 0.3992, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 45.6966, 0.3992, 0.5213.



This preview shows how white text looks on a background with the Yxy color 45.6966, 0.3992, 0.5213.

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

45.6966, 0.3992, 0.5213

Protanopia

45.3390, 0.4409, 0.4881

Deuteranopia

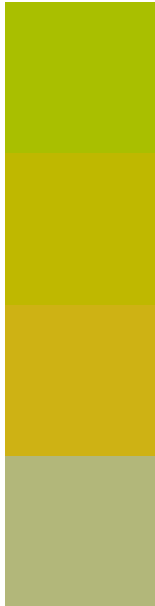
45.5610, 0.4661, 0.4566



Tritanopia

45.7138, 0.3059, 0.3110

Trichromacy



Original Color

45.6966, 0.3992, 0.5213

Protanomaly

45.3573, 0.4259, 0.5001

Deuteranomaly

45.0131, 0.4430, 0.4805

Tritanomaly

44.7371, 0.3575, 0.4121

Monochromacy



Original Color

45.6966, 0.3992, 0.5213

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.8859, 0.3633, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6966, 0.3992, 0.5213 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(169, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 191, 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(169, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.6966, 0.3992, 0.5213 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(169, 191, 0) }
```

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

```
.border{ border-color:rgb(169, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6966, 0.3992, 0.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 191, 0) }
```

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

```
.background{ background-color: rgb(169,  
191, 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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