

Converting Colors

$Y_{xy}(45.6666, 0.2975, 0.5902)$

Have a look what the booklet for
Yxy(45.6666, 0.2975, 0.5902)
contains.

Yxy(45.6977, 0.2975, 0.5901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(45.6977, 0.2975, 0.5901)$

Conversions

Conversions Part 1

Format	Color
Hex	02D11C
RGB	2, 209, 28
RGB Percent	1%, 82%, 11%
CMY	0.9907, 0.1804, 0.8902
CMYK	0.99, 0.00, 0.87, 0.18
HSL	127°, 98%, 41%
HSV	127°, 99%, 82%
XYZ	23.0386, 45.6977, 8.7043
YIQ	126.4730, -65.2710, -100.1750

Conversions

Conversions Part 2

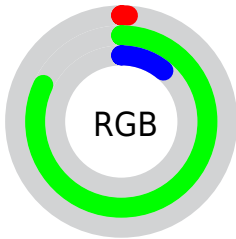
Format	Color
R_{YB}	2, 186, 209
Decimal	184604
CIE Lab	73.35, -73.37, 67.89
CIE LCh	73, 99.965, 137.221
Yxy	45.6977, 0.2975, 0.5901
Android (android.graphics.Color)	4278374684 (0xFF02D11C)
YUV	126.4730, -48.5472, -109.1628
Hunter-Lab	67.6001, -57.4661, 39.6858

Details

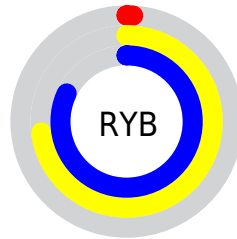
The Yxy color **45.6977, 0.2975, 0.5901** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.0416, 0.3547, 0.1732**, and the grayscale version is **21.2609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4361, 0.3088, 0.5318**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6746, 0.2976, 0.5914**, and if you desaturate by 10%, it is **45.9856, 0.2961, 0.5756**.

Distribution



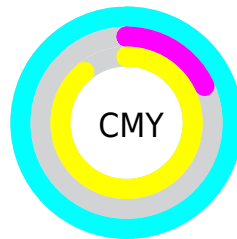
- Red (1%)
- Green (82%)
- Blue (11%)



- Red (1%)
- Yellow (73%)
- Blue (82%)



- Cyan (99%)
- Magenta (0%)
- Yellow (87%)
- Black (18%)




- Cyan (99%)
- Magenta (18%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6977, 0.2975, 0.5901 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 45.6977, 0.2975, 0.5901 by changing the saturation by 10% instead.


 45.6977, 0.2975,
0.5901

 45.6977, 0.2975,
0.5901


369.5920, 0.3171,
0.4500


 32.0073, 0.2879,
0.6251


 83.7664, 0.3080,
0.5384


 21.3671, 0.2729,
0.6684


 108.9135, 0.3109,
0.5191

 13.3926, 0.2497,
0.7244


 138.6484, 0.3130,
0.5028

 7.6994, 0.2108,
0.7892

 173.3553, 0.3144,
0.4890

 3.9032, 0.1457,
0.8543

 213.4187, 0.3154,
0.4771

 1.6196, 0.0000,
1.0000

 259.2231, 0.3162,

 0.3707, 0.0000,

0.4669

1.0000

311.1527, 0.3167,
0.4579

■ 0.0000, 0.0000,
0.0000

■ 45.6977, 0.2975,
0.5901

■ 45.6977, 0.2975,
0.5901

■ 45.6746, 0.2976,
0.5914

■ 45.9856, 0.2961,
0.5756

■ 46.5172, 0.2954,
0.5543

■ 47.3504, 0.2956,
0.5273

■ 48.5222, 0.2967,
0.4965

■ 50.0639, 0.2986,
0.4641

■ 52.0034, 0.3011,
0.4320

■ 54.3659, 0.3040,
0.4016

■ 57.1743, 0.3070,
0.3737

■ 60.4501, 0.3101,
0.3487

Harmonies

Analogous

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



45.6977, 0.4137, 0.5532



45.6977, 0.2975, 0.5901



45.6977, 0.1904, 0.4808

Triad

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



45.6977, 0.2975, 0.5901



45.6977, 0.1218, 0.1530



45.6977, 0.5399, 0.2923

Complementary

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



45.6977, 0.2975, 0.5901



17.0416, 0.3547, 0.1732

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.



45.6977, 0.4158, 0.2223



45.6977, 0.2975, 0.5901



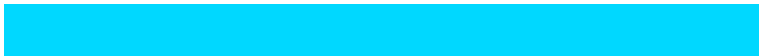
45.6977, 0.1742, 0.1467

Square

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



45.6977, 0.2975, 0.5901



45.6977, 0.1055, 0.1986



45.6977, 0.2737, 0.1707



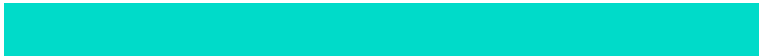
45.6977, 0.5722, 0.3699

Rectangle

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



45.6977, 0.2975, 0.5901



45.6977, 0.1406, 0.3614



45.6977, 0.2737, 0.1707



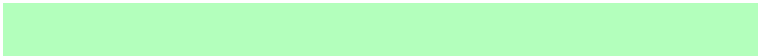
45.6977, 0.5062, 0.2678

Sweetspot

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



45.6996, 0.2975, 0.5901



84.6745, 0.3036, 0.4060



55.9067, 0.3988, 0.5210



17.7771, 0.3023, 0.4188



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.



45.6996, 0.2975, 0.5901



71.6222, 0.2979, 0.5924



47.2220, 0.2611, 0.4593



13.2298, 0.3099, 0.3500



28.1698, 0.2972, 0.5899



1.5832, 0.2901, 0.5644

Inverse Universe

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



17.0416, 0.3547, 0.1732



26.6083, 0.3556, 0.1733



14.2098, 0.5434, 0.2775



11.9828, 0.3156, 0.3089



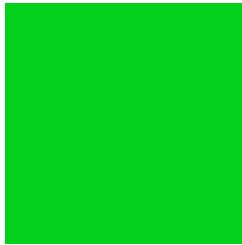
10.4780, 0.3546, 0.1727



0.5931, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 45.6977, 0.2975, 0.5901 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 45.6977, 0.2975, 0.5901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

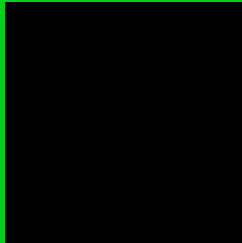
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6977, 0.2975, 0.5901

Background



This preview shows how black text looks on a background with the Yxy color 45.6977, 0.2975, 0.5901.



This preview shows how white text looks on a background with the Yxy color 45.6977, 0.2975, 0.5901.

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

45.6977, 0.2975, 0.5901

Protanopia

44.7014, 0.4378, 0.4854

Deuteranopia

44.4712, 0.4580, 0.4472



Tritanopia

45.2630, 0.2355, 0.3059

Trichromacy



Original Color

45.6977, 0.2975, 0.5901



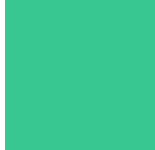
Protanomaly

41.5520, 0.3610, 0.5433



Deuteranomaly

40.2950, 0.3718, 0.5183



Tritanomaly

43.7012, 0.2600, 0.4195

Monochromacy



Original Color

45.6977, 0.2975, 0.5901



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.6631, 0.2993, 0.4580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6977, 0.2975, 0.5901 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(2, 209, 28)` looks like.

```
.text, #text, p{  
    color:rgb(2, 209, 28)  
}
```

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(2, 209, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 209, 28) }
```

Border

The CSS property to change the border of an element to Yxy 45.6977, 0.2975, 0.5901 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(2, 209, 28) }
```

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

```
.border{ border-color:rgb(2, 209, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 209, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 209, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 209, 28);  
box-shadow:4px 4px 4px 4px rgb(2, 209, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.6977, 0.2975, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 209, 28) }
```

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

```
.background{ background-color: rgb(2, 209,  
28) }
```

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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