

Converting Colors

$Y_{xy}(45.9519, 0.2953, 0.5766)$

Have a look what the booklet for
Yxy(45.9519, 0.2953, 0.5766)
contains.

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Color

Yxy(45.9083, 0.2952, 0.5766)

Conversions

Conversions Part 1

Format	Color
Hex	10D12E
RGB	16, 209, 46
RGB Percent	6%, 82%, 18%
CMY	0.9384, 0.1804, 0.8196
CMYK	0.92, 0.00, 0.78, 0.18
HSL	129°, 86%, 44%
HSV	129°, 92%, 82%
XYZ	23.5035, 45.9083, 10.2072
YIQ	132.7110, -62.7050, -91.6090

Conversions

Conversions Part 2

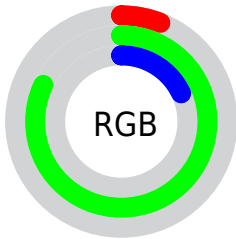
Format	Color
RYB	16, 183, 209
Decimal	1102126
CIELab	73.49, -71.88, 63.43
CIELCh	73, 95.867, 138.573
Yxy	45.9083, 0.2952, 0.5766
Android (android.graphics.Color)	4279292206 (0xFF10D12E)
YUV	132.7110, -42.7485, -102.3555
Hunter-Lab	67.7557, -56.6532, 38.4971

Details

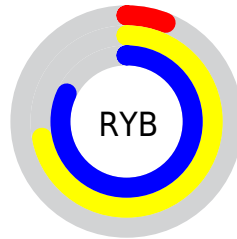
The Yxy color **45.9083, 0.2952, 0.5766** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.1613, 0.3613, 0.1793**, and the grayscale version is **23.4885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7707, 0.3059, 0.5200**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.7138, 0.2965, 0.5875**, and if you desaturate by 10%, it is **46.3573, 0.2938, 0.5567**.

Distribution



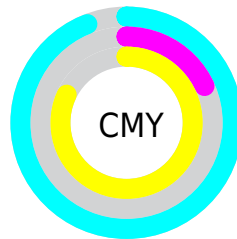
- Red (6%)
- Green (82%)
- Blue (18%)



- Red (6%)
- Yellow (72%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (78%)
- Black (18%)



- Cyan (94%)
- Magenta (18%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9083, 0.2952, 0.5766 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 45.9083, 0.2952, 0.5766 by changing the saturation by 10% instead.

 45.9083, 0.2952,
0.5766

 45.9083, 0.2952,
0.5766


370.4399, 0.3144,
0.4432


 32.1735, 0.2864,
0.6106


 84.0817, 0.3051,
0.5270

 21.4940, 0.2726,
0.6533


 109.2891, 0.3079,
0.5085


 13.4856, 0.2505,
0.7072


 139.0895, 0.3099,
0.4931

 7.7638, 0.2169,
0.7831

 173.8673, 0.3114,
0.4800

 3.9442, 0.1537,
0.8463

 214.0068, 0.3125,
0.4688

 1.6424, 0.0000,
1.0000


 259.8925, 0.3133,


 0.3859, 0.0000,

0.4591

1.0000


311.9087, 0.3139,
0.4506


 0.0000, 0.0000,
0.0000

 45.9083, 0.2952,
0.5766


 45.9083, 0.2952,
0.5766


 45.7138, 0.2965,
0.5875

 46.3573, 0.2938,
0.5567

 47.0880, 0.2934,
0.5311

 48.1408, 0.2942,
0.5018


 49.5481, 0.2959,
0.4705

 51.3382, 0.2985,
0.4392

 53.5366, 0.3015,
0.4092

 56.1666, 0.3049,
0.3814

 59.2497, 0.3084,
0.3563

 62.8060, 0.3119,
0.3341

Harmonies

Analogous

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



45.9083, 0.4083, 0.5501



45.9083, 0.2952, 0.5766



45.9083, 0.1917, 0.4661

Triad

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



45.9083, 0.2952, 0.5766



45.9083, 0.1286, 0.1574



45.9083, 0.5344, 0.2981

Complementary

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



45.9083, 0.2952, 0.5766



17.1613, 0.3613, 0.1793

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.



45.9083, 0.4183, 0.2288



45.9083, 0.2952, 0.5766



45.9083, 0.1820, 0.1524

Square

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



45.9083, 0.2952, 0.5766



45.9083, 0.1112, 0.2006



45.9083, 0.2811, 0.1771



45.9083, 0.5628, 0.3750

Rectangle

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



45.9083, 0.2952, 0.5766



45.9083, 0.1442, 0.3536



45.9083, 0.2811, 0.1771



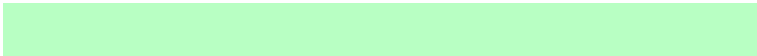
45.9083, 0.5033, 0.2739

Sweetspot

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



45.9102, 0.2952, 0.5766



85.5918, 0.3029, 0.3973



55.3467, 0.3935, 0.5220



17.9544, 0.3015, 0.4097



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.



45.9102, 0.2952, 0.5766



71.6730, 0.2969, 0.5887



47.6465, 0.2565, 0.4389



13.2361, 0.3095, 0.3492



28.1925, 0.2960, 0.5857



1.5861, 0.2877, 0.5558

Inverse Universe

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



17.1613, 0.3613, 0.1793



26.1676, 0.3660, 0.1790



14.5486, 0.5375, 0.2788



11.9759, 0.3161, 0.3096



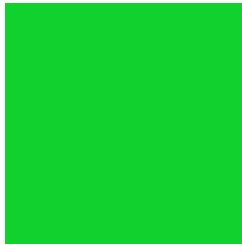
10.3083, 0.3646, 0.1782



0.5852, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 45.9083, 0.2952, 0.5766 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 45.9083, 0.2952, 0.5766 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 45.9083, 0.2952, 0.5766

Background



This preview shows how black text looks on a background with the Yxy color 45.9083, 0.2952, 0.5766.



This preview shows how white text looks on a background with the Yxy color 45.9083, 0.2952, 0.5766.

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

45.9083, 0.2952, 0.5766

Protanopia

44.7976, 0.4329, 0.4781

Deuteranopia

44.7963, 0.4505, 0.4416



Tritanopia

45.7596, 0.2354, 0.3059

Trichromacy



Original Color

45.9083, 0.2952, 0.5766



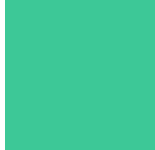
Protanomaly

42.0553, 0.3607, 0.5296



Deuteranomaly

40.8723, 0.3709, 0.5037



Tritanomaly

44.5350, 0.2582, 0.4082

Monochromacy



Original Color

45.9083, 0.2952, 0.5766



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.6030, 0.2983, 0.4419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9083, 0.2952, 0.5766 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(16, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(16, 209, 46)  
}
```

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(16, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 209, 46) }
```

Border

The CSS property to change the border of an element to Yxy 45.9083, 0.2952, 0.5766 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(16, 209, 46) }
```

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

```
.border{ border-color:rgb(16, 209, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 209, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(16, 209,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9083, 0.2952, 0.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 209, 46) }
```

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

```
.background{ background-color: rgb(16, 209,  
46) }
```

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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