

Converting Colors

$Yxy(60.0246, 0.3325, 0.5453)$

Have a look what the booklet for
Yxy(60.0246, 0.3325, 0.5453)
contains.

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Color

Yxy(59.9099, 0.3323, 0.5457)

Conversions

Conversions Part 1

Format	Color
Hex	7AE438
RGB	122, 228, 56
RGB Percent	48%, 89%, 22%
CMY	0.5217, 0.1059, 0.7800
CMYK	0.47, 0.00, 0.75, 0.11
HSL	97°, 76%, 56%
HSV	97°, 75%, 89%
XYZ	36.4817, 59.9099, 13.3938
YIQ	176.6980, -7.9640, -75.9640

Conversions

Conversions Part 2

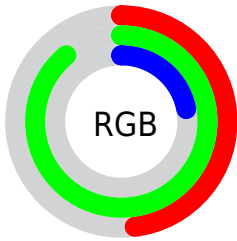
Format	Color
RYB	56, 228, 162
Decimal	8053816
CIELab	81.79, -58.14, 69.14
CIElCh	82, 90.329, 130.060
Yxy	59.9099, 0.3323, 0.5457
Android (android.graphics.Color)	4286243896 (0xFF7AE438)
YUV	176.6980, -59.5041, -47.9701
Hunter-Lab	77.4015, -51.3201, 43.9213

Details

The Yxy color **59.9099, 0.3323, 0.5457** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **16.1350, 0.2500, 0.1329**, and the grayscale version is **44.1235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7029, 0.3421, 0.4866**, and **30.4046, 0.3179, 0.5858** is the 20% darker color. If you saturate the color by 10%, you get **58.7844, 0.3289, 0.5653**, and if you desaturate by 10%, it is **61.2907, 0.3339, 0.5206**.

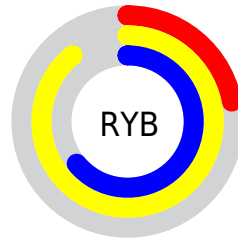
Distribution



Red (48%)

Green (89%)

Blue (22%)



Red (22%)

Yellow (89%)

Blue (64%)

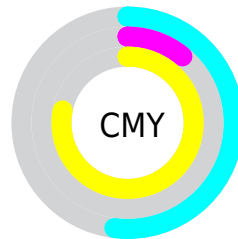


Cyan (47%)

Magenta (0%)

Yellow (75%)

Black (11%)



Cyan (52%)


Magenta (11%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9099, 0.3323, 0.5457 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 59.9099, 0.3323, 0.5457 by changing the saturation by 10% instead.


 59.9099, 0.3323,
0.5457


 59.9099, 0.3323,
0.5457

424.2656, 0.3319,
0.4367

 43.3460, 0.3291,
0.5712


 104.6990, 0.3346,
0.5070

 30.1567, 0.3233,
0.6022


 133.6929, 0.3347,
0.4921

 19.9576, 0.3126,
0.6399


 167.5990, 0.3345,
0.4794

 12.3642, 0.2964,
0.6922

 206.8017, 0.3342,
0.4685

 6.9922, 0.2601,
0.7399

 251.6853, 0.3337,
0.4590

 3.4572, 0.2018,
0.7982

302.6342, 0.3331,

 1.3748, 0.0000,

0.4506

1.0000

360.0328, 0.3325,
0.4433

■ 0.1981, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9099, 0.3323,
0.5457

■ 59.9099, 0.3323,
0.5457

■ 58.7844, 0.3289,
0.5653

■ 61.2907, 0.3339,
0.5206


■ 57.8850, 0.3239,
0.5785


■ 62.9372, 0.3337,
0.4915


■ 57.5347, 0.3213,
0.5830


■ 64.8682, 0.3318,
0.4603


■ 67.0983, 0.3287,
0.4287

 69.6410, 0.3247,
0.3980

 72.5089, 0.3202,
0.3690

 75.7139, 0.3154,
0.3424

 79.2672, 0.3105,
0.3182

 82.7669, 0.3096,
0.3025

Harmonies

Analogous

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



59.9099, 0.4319, 0.5095



59.9099, 0.3323, 0.5457



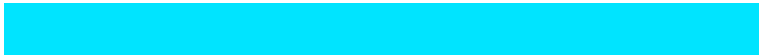
59.9099, 0.2329, 0.4811

Triad

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



59.9099, 0.3323, 0.5457



59.9099, 0.1387, 0.1832



59.9099, 0.4824, 0.2858

Complementary

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



59.9099, 0.3323, 0.5457



16.1350, 0.2500, 0.1329

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.



59.9099, 0.3704, 0.2247



59.9099, 0.3323, 0.5457



59.9099, 0.1786, 0.1683

Square

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



59.9099, 0.3323, 0.5457



59.9099, 0.1321, 0.2379



59.9099, 0.2568, 0.1834



59.9099, 0.5344, 0.3565

Rectangle

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



59.9099, 0.3323, 0.5457



59.9099, 0.1807, 0.3919



59.9099, 0.2568, 0.1834



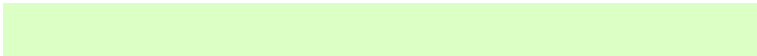
59.9099, 0.4492, 0.2639

Sweetspot

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



59.9125, 0.3323, 0.5457



90.5542, 0.3237, 0.3913



42.6603, 0.4663, 0.4358



19.1098, 0.3253, 0.4021



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.



59.9125, 0.3323, 0.5457



75.1323, 0.3264, 0.5729



56.8582, 0.2958, 0.5479



16.3569, 0.3173, 0.3529



33.2834, 0.3224, 0.5822



2.5116, 0.3339, 0.5731

Inverse Universe

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



16.1350, 0.2500, 0.1329



16.1590, 0.2346, 0.1104



23.8845, 0.3431, 0.1829



14.3250, 0.3077, 0.3054



6.5561, 0.2271, 0.1025



0.5375, 0.2407, 0.1100

Previews

White Background



This preview shows how the Yxy color 59.9099, 0.3323, 0.5457 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 59.9099, 0.3323, 0.5457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

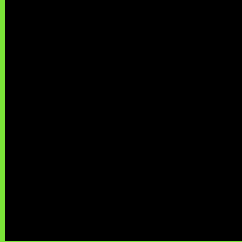
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9099, 0.3323, 0.5457

Background



This preview shows how black text looks on a background with the Yxy color 59.9099, 0.3323, 0.5457.



This preview shows how white text looks on a background with the Yxy color 59.9099, 0.3323, 0.5457.

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

59.9099, 0.3323, 0.5457

Protanopia

58.8022, 0.4314, 0.4752

Deuteranopia

58.8497, 0.4517, 0.4420



Tritanopia

59.7857, 0.2609, 0.3079

Trichromacy



Original Color

59.9099, 0.3323, 0.5457



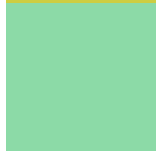
Protanomaly

57.6553, 0.3919, 0.5032



Deuteranomaly

57.0351, 0.4044, 0.4807



Tritanomaly

58.5083, 0.2916, 0.3981

Monochromacy



Original Color

59.9099, 0.3323, 0.5457



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.3414, 0.3273, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9099, 0.3323, 0.5457 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(122, 228, 56)` looks like.

```
.text, #text, p{  
    color:rgb(122, 228, 56)  
}
```

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(122, 228, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 228, 56) }
```

Border

The CSS property to change the border of an element to Yxy 59.9099, 0.3323, 0.5457 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(122, 228, 56) }
```

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

```
.border{ border-color:rgb(122, 228, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 228, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 228, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 228, 56);  
box-shadow:4px 4px 4px 4px rgb(122, 228,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9099, 0.3323, 0.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 228, 56) }
```

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

```
.background{ background-color: rgb(122,  
228, 56) }
```

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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