

Converting Colors

$Y_{xy}(28.5713, 0.3246, 0.5735)$

Have a look what the booklet for
Yxy(28.5713, 0.3246, 0.5735)
contains.

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Color

Yxy(28.5694, 0.3246, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	45A60E
RGB	69, 166, 14
RGB Percent	27%, 65%, 5%
CMY	0.7294, 0.3490, 0.9452
CMYK	0.58, 0.00, 0.92, 0.35
HSL	98°, 84%, 35%
HSV	98°, 92%, 65%
XYZ	16.1702, 28.5694, 5.0762
YIQ	119.6690, -9.0200, -67.8360

Conversions

Conversions Part 2

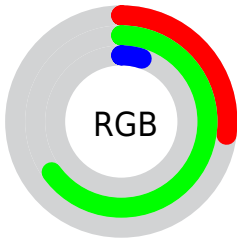
Format	Color
RYB	14, 166, 111
Decimal	4564494
CIELab	60.40, -52.26, 59.74
CIELCh	60, 79.371, 131.176
Yxy	28.5694, 0.3246, 0.5735
Android (android.graphics.Color)	4282754574 (0xFF45A60E)
YUV	119.6690, -52.0948, -44.4367
Hunter-Lab	53.4504, -39.5369, 31.7844

Details

The Yxy color **28.5694, 0.3246, 0.5735** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.4436, 0.2399, 0.1138**, and the grayscale version is **18.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3818, 0.3305, 0.5210**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.2370, 0.3205, 0.5837**, and if you desaturate by 10%, it is **29.0582, 0.3287, 0.5569**.

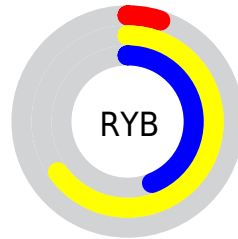
Distribution



Red (27%)

Green (65%)

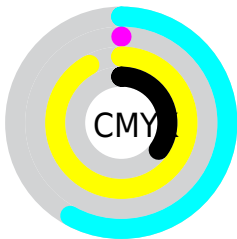
Blue (5%)



Red (5%)

Yellow (65%)

Blue (44%)

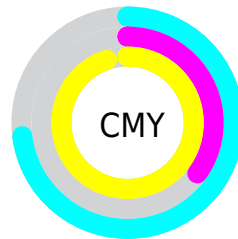


Cyan (58%)

Magenta (0%)

Yellow (92%)

Black (35%)



Cyan (73%)


Magenta (35%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5694, 0.3246, 0.5735 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 28.5694, 0.3246, 0.5735 by changing the saturation by 10% instead.


 28.5694, 0.3246,
0.5735


 28.5694, 0.3246,
0.5735


295.1778, 0.3296,
0.4352

 18.7553, 0.3169,
0.6104


 57.3922, 0.3306,
0.5205


 11.4936, 0.3025,
0.6578


 77.1698, 0.3314,
0.5012

 6.3999, 0.2770,
0.7230


 101.0373, 0.3316,
0.4853

 3.0897, 0.2199,
0.7801

 129.3791, 0.3315,
0.4720

 1.1788, 0.0000,
1.0000

 162.5797, 0.3312,
0.4606

 0.0443, 0.0000,
1.0000


 201.0234, 0.3307,


 0.0000, 0.0000,


0.4509

0.0000

 245.0947, 0.3302,
0.4425


 28.5694, 0.3246,
0.5735


 28.5694, 0.3246,
0.5735


 28.2370, 0.3205,
0.5837

 29.0582, 0.3287,
0.5569

 29.6633, 0.3312,
0.5343

 30.3951, 0.3320,
0.5072

 31.2619, 0.3312,
0.4772

 32.2709, 0.3291,
0.4460

■ 33.4289, 0.3259,
0.4150

■ 34.7423, 0.3221,
0.3855

■ 36.2169, 0.3178,
0.3579

■ 37.8583, 0.3134,
0.3328

Harmonies

Analogous

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



28.5694, 0.4339, 0.5269



28.5694, 0.3246, 0.5735



28.5694, 0.2179, 0.4984

Triad

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



28.5694, 0.3246, 0.5735



28.5694, 0.1250, 0.1677



28.5694, 0.5066, 0.2819

Complementary

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



28.5694, 0.3246, 0.5735



6.4436, 0.2399, 0.1138

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.



28.5694, 0.3814, 0.2166



28.5694, 0.3246, 0.5735



28.5694, 0.1683, 0.1544

Square

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



28.5694, 0.3246, 0.5735



28.5694, 0.1162, 0.2228



28.5694, 0.2539, 0.1718



28.5694, 0.5585, 0.3563

Rectangle

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



28.5694, 0.3246, 0.5735



28.5694, 0.1633, 0.3929



28.5694, 0.2539, 0.1718



28.5694, 0.4699, 0.2587

Sweetspot

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



28.5706, 0.3246, 0.5735



61.6066, 0.3244, 0.4028



19.3465, 0.4891, 0.4419



13.6175, 0.3257, 0.4126



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.5706, 0.3246, 0.5735



51.1366, 0.3193, 0.5847



27.4833, 0.2959, 0.5763



8.5350, 0.3168, 0.3520



21.9202, 0.3212, 0.5832



0.5622, 0.3490, 0.5611

Inverse Universe

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



6.4436, 0.2399, 0.1138



10.4238, 0.2308, 0.1045



10.4876, 0.3536, 0.1761



7.5288, 0.3082, 0.3064



4.5334, 0.2332, 0.1058



0.1376, 0.2631, 0.1223

Previews

White Background



This preview shows how the Yxy color 28.5694, 0.3246, 0.5735 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5694, 0.3246, 0.5735 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 × Fail

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

Yxy 28.5694, 0.3246, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 28.5694, 0.3246, 0.5735.



This preview shows how white text looks on a background with the Yxy color 28.5694, 0.3246, 0.5735.

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

28.5694, 0.3246, 0.5735

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9700, 0.4595, 0.4498



Tritanopia

28.3341, 0.2517, 0.3067

Trichromacy



Original Color

28.5694, 0.3246, 0.5735



Protanomaly

27.4605, 0.3915, 0.5251



Deuteranomaly

26.9312, 0.4041, 0.4993



Tritanomaly

27.5799, 0.2874, 0.4186

Monochromacy



Original Color

28.5694, 0.3246, 0.5735



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.2521, 0.3284, 0.4418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5694, 0.3246, 0.5735 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(69, 166, 14)` looks like.

```
.text, #text, p{  
    color:rgb(69, 166, 14)  
}
```

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(69, 166, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 166, 14) }
```

Border

The CSS property to change the border of an element to Yxy 28.5694, 0.3246, 0.5735 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(69, 166, 14) }
```

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

```
.border{ border-color:rgb(69, 166, 14) }
```

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

Here you see how a box with a 4 pixel rgb(69, 166, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 166, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 166, 14);  
box-shadow:4px 4px 4px 4px rgb(69, 166,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5694, 0.3246, 0.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 166, 14) }
```

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

```
.background{ background-color: rgb(69, 166,  
14) }
```

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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