

Converting Colors

$Y_{xy}(11.6689, 0.3255, 0.5684)$

Have a look what the booklet for
Yxy(11.6689, 0.3255, 0.5684)
contains.

Yxy(11.7317, 0.3252, 0.5683)	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

Yxy(11.7317, 0.3252, 0.5683)

Conversions

Conversions Part 1

Format	Color
Hex	2D6E0A
RGB	45, 110, 10
RGB Percent	18%, 43%, 4%
CMY	0.8235, 0.5686, 0.9607
CMYK	0.59, 0.00, 0.91, 0.57
HSL	99°, 83%, 24%
HSV	99°, 91%, 43%
XYZ	6.7133, 11.7317, 2.1985
YIQ	79.1650, -6.6400, -44.8800

Conversions

Conversions Part 2

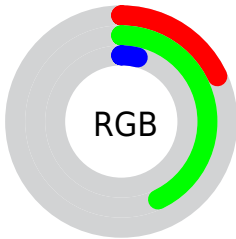
Format	Color
R_{YB}	10, 110, 75
Decimal	2977290
CIE _{Lab}	40.79, -38.09, 43.45
CIE _{LCh}	41, 57.778, 131.240
Yxy	11.7317, 0.3252, 0.5683
Android (android.graphics.Color)	4281167370 (0xFF2D6E0A)
YUV	79.1650, -34.0983, -29.9627
Hunter-Lab	34.2516, -24.9545, 20.1704

Details

The Yxy color **11.7317, 0.3252, 0.5683** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.8406, 0.2463, 0.1201**, and the grayscale version is **7.9213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8750, 0.3310, 0.5025**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.5735, 0.3219, 0.5826**, and if you desaturate by 10%, it is **11.9407, 0.3286, 0.5498**.

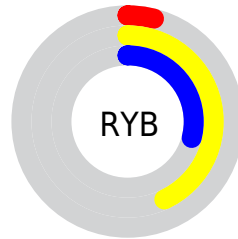
Distribution



 Red (18%)

 Green (43%)

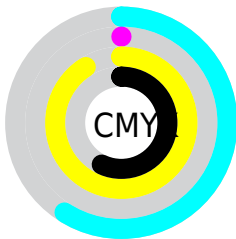
 Blue (4%)




 Red (4%)

 Yellow (43%)

 Blue (29%)

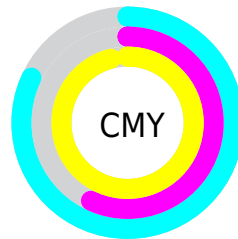


 Cyan (59%)


 Magenta (0%)

 Yellow (91%)

 Black (57%)



 Cyan (82%)


 Magenta (57%)


 Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7317, 0.3252, 0.5683 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 11.7317, 0.3252, 0.5683 by changing the saturation by 10% instead.


 11.7317, 0.3252,
0.5683


 11.7317, 0.3252,
0.5683


202.6209, 0.3277,
0.4153


 6.5613, 0.3151,
0.6212


 29.0055, 0.3312,
0.5028


 3.1893, 0.2942,
0.7058

 41.8776, 0.3315,
0.4813

 1.2313, 0.1428,
0.8572

 58.0858, 0.3311,
0.4643

 0.0871, 0.0000,
1.0000

 78.0144, 0.3305,
0.4506


 0.0000, 0.0000,
0.0000


 102.0478, 0.3298,
0.4394


 130.5704, 0.3291,

0.4300


 163.9667, 0.3284,
0.4221


 11.7317, 0.3252,
0.5683

 11.7317, 0.3252,
0.5683


 11.5735, 0.3219,
0.5826

 11.9407, 0.3286,
0.5498

 12.1959, 0.3305,
0.5263

 12.5012, 0.3309,
0.4989

 12.8594, 0.3299,
0.4694

 13.2732, 0.3277,
0.4392

■ 13.7451, 0.3247,
0.4095

■ 14.2774, 0.3211,
0.3813

■ 14.8723, 0.3172,
0.3550

■ 15.5319, 0.3131,
0.3310

Harmonies

Analogous

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



11.7317, 0.4328, 0.5245



11.7317, 0.3252, 0.5683



11.7317, 0.2198, 0.4941

Triad

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



11.7317, 0.3252, 0.5683



11.7317, 0.1277, 0.1702



11.7317, 0.5029, 0.2833

Complementary

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



11.7317, 0.3252, 0.5683



2.8406, 0.2463, 0.1201

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.



11.7317, 0.3805, 0.2186



11.7317, 0.3252, 0.5683



11.7317, 0.1707, 0.1569

Square

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



11.7317, 0.3252, 0.5683



11.7317, 0.1189, 0.2249



11.7317, 0.2554, 0.1741



11.7317, 0.5542, 0.3571

Rectangle

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



11.7317, 0.3252, 0.5683



11.7317, 0.1659, 0.3914



11.7317, 0.2554, 0.1741



11.7317, 0.4671, 0.2603

Sweetspot

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



11.7322, 0.3252, 0.5683



24.4222, 0.3236, 0.4004



8.3709, 0.4788, 0.4452



5.6321, 0.3244, 0.4074



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.7322, 0.3252, 0.5683



20.2620, 0.3201, 0.5840



11.2872, 0.2945, 0.5656



3.8147, 0.3164, 0.3504



13.8877, 0.3212, 0.5831



68.7398, 0.3176, 0.5860

Inverse Universe

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



2.8406, 0.2463, 0.1201



4.2960, 0.2362, 0.1075



4.3592, 0.3559, 0.1803



3.3979, 0.3087, 0.3079



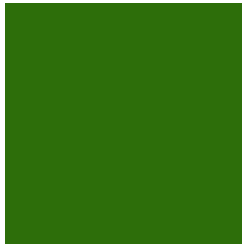
2.9688, 0.2375, 0.1082



14.2948, 0.2331, 0.1057

Previews

White Background



This preview shows how the Yxy color 11.7317, 0.3252, 0.5683 looks on a white 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

Black Background



This preview shows how the Yxy color 11.7317, 0.3252, 0.5683 looks on a black 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

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

Yxy 11.7317, 0.3252, 0.5683

Background



This preview shows how black text looks on a background with the Yxy color 11.7317, 0.3252, 0.5683.



This preview shows how white text looks on a background with the Yxy color 11.7317, 0.3252, 0.5683.

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

11.7317, 0.3252, 0.5683

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5454, 0.4531, 0.4485



Tritanopia

11.6746, 0.2524, 0.3067

Trichromacy



Original Color

11.7317, 0.3252, 0.5683

Protanomaly

11.2474, 0.3915, 0.5229

Deuteranomaly

11.1130, 0.4012, 0.4949

Tritanomaly

11.4383, 0.2866, 0.4140

Monochromacy



Original Color

11.7317, 0.3252, 0.5683

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.7720, 0.3279, 0.4334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7317, 0.3252, 0.5683 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(45, 110, 10)` looks like.

```
.text, #text, p{  
    color:rgb(45, 110, 10)  
}
```

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(45, 110, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 110, 10) }
```

Border

The CSS property to change the border of an element to Yxy 11.7317, 0.3252, 0.5683 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(45, 110, 10) }
```

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

```
.border{ border-color:rgb(45, 110, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 110, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 110, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 110, 10);  
box-shadow:4px 4px 4px 4px rgb(45, 110,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7317, 0.3252, 0.5683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 110, 10) }
```

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

```
.background{ background-color: rgb(45, 110,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor