

Converting Colors

$Y_{xy}(11.6678, 0.3684, 0.5211)$

Have a look what the booklet for
Yxy(11.6678, 0.3684, 0.5211)
contains.

Yxy(11.7734, 0.3683, 0.5212)	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(11.7734, 0.3683, 0.5212)

Conversions

Conversions Part 1

Format	Color
Hex	4E6914
RGB	78, 105, 20
RGB Percent	31%, 41%, 8%
CMY	0.6941, 0.5882, 0.9215
CMYK	0.26, 0.00, 0.81, 0.59
HSL	79°, 68%, 25%
HSV	79°, 81%, 41%
XYZ	8.3195, 11.7734, 2.4961
YIQ	87.2370, 11.1930, -32.1590

Conversions

Conversions Part 2

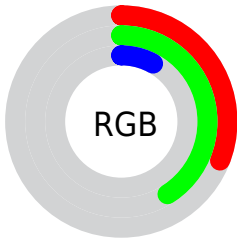
Format	Color
R_{YB}	20, 105, 47
Decimal	5138708
CIE Lab	40.85, -23.06, 41.21
CIE LCh	41, 47.220, 119.228
Yxy	11.7734, 0.3683, 0.5212
Android (android.graphics.Color)	4283328788 (0xFF4E6914)
YUV	87.2370, -33.1478, -8.1008
Hunter-Lab	34.3124, -16.7668, 19.7056

Details

The Yxy color **11.7734, 0.3683, 0.5212** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1254, 0.2021, 0.1081**, and the grayscale version is **9.6562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9777, 0.3610, 0.4705**, and **3.2873, 0.3461, 0.5634** is the 20% darker color. If you saturate the color by 10%, you get **11.6068, 0.3681, 0.5354**, and if you desaturate by 10%, it is **11.9643, 0.3663, 0.5029**.

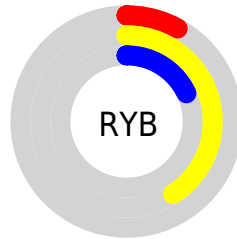
Distribution



Red (31%)

Green (41%)

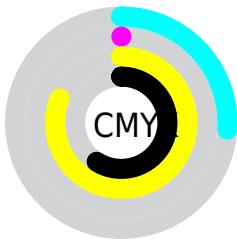
Blue (8%)



Red (8%)

Yellow (41%)

Blue (18%)

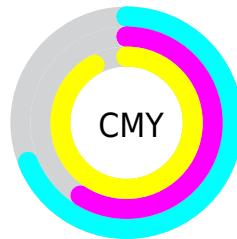


Cyan (26%)

Magenta (0%)

Yellow (81%)

Black (59%)



Cyan (69%)

Magenta (59%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7734, 0.3683, 0.5212 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 11.7734, 0.3683, 0.5212 by changing the saturation by 10% instead.


 11.7734, 0.3683,
0.5212


 11.7734, 0.3683,
0.5212


202.8993, 0.3416,
0.4017


 6.5896, 0.3695,
0.5593


 29.0817, 0.3608,
0.4713


 3.2068, 0.3726,
0.6274

 41.9750, 0.3570,
0.4545

 1.2406, 0.3183,
0.6817

 58.2069, 0.3536,
0.4411

 0.0945, 0.0000,
1.0000


 78.1618, 0.3506,
0.4303

 0.0000, 0.0000,
0.0000

 102.2241, 0.3479,
0.4213


 130.7782, 0.3455,


0.4137

 164.2085, 0.3434,
0.4072


 11.7734, 0.3683,
0.5212


 11.7734, 0.3683,
0.5212

 11.6068, 0.3681,
0.5354


 11.9643, 0.3663,
0.5029

 11.4677, 0.3670,
0.5468

 12.1799, 0.3622,
0.4811

 12.4224, 0.3563,
0.4569

 12.6934, 0.3489,
0.4313

 12.9942, 0.3406,
0.4052

■ 13.3261, 0.3318,
0.3794

■ 13.6903, 0.3226,
0.3546

■ 14.0880, 0.3136,
0.3311

■ 14.5202, 0.3047,
0.3093

Harmonies

Analogous

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



11.7734, 0.4541, 0.4740



11.7734, 0.3683, 0.5212



11.7734, 0.2736, 0.4955

Triad

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



11.7734, 0.3683, 0.5212



11.7734, 0.1458, 0.2095



11.7734, 0.4332, 0.2686

Complementary

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



11.7734, 0.3683, 0.5212



2.1254, 0.2021, 0.1081

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.



11.7734, 0.3262, 0.2167



11.7734, 0.3683, 0.5212



11.7734, 0.1719, 0.1823

Square

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



11.7734, 0.3683, 0.5212



11.7734, 0.1520, 0.2778



11.7734, 0.2320, 0.1864



11.7734, 0.5047, 0.3331

Rectangle

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



11.7734, 0.3683, 0.5212



11.7734, 0.2177, 0.4298



11.7734, 0.2320, 0.1864



11.7734, 0.3988, 0.2494

Sweetspot

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



11.7739, 0.3683, 0.5212



23.6311, 0.3351, 0.3890



5.0810, 0.5229, 0.3814



5.4991, 0.3375, 0.3957



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.7739, 0.3683, 0.5212



20.5467, 0.3663, 0.5448



10.5222, 0.3134, 0.5598



3.5377, 0.3209, 0.3499



14.4992, 0.3664, 0.5473



73.4007, 0.3634, 0.5496

Inverse Universe

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



2.1254, 0.2021, 0.1081



2.5102, 0.1780, 0.0775



3.6654, 0.2861, 0.1506



3.0675, 0.3041, 0.3078



1.6898, 0.1760, 0.0743



8.1911, 0.1709, 0.0715

Previews

White Background



This preview shows how the Yxy color 11.7734, 0.3683, 0.5212 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 11.7734, 0.3683, 0.5212 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 11.7734, 0.3683, 0.5212

Background



This preview shows how black text looks on a background with the Yxy color 11.7734, 0.3683, 0.5212.



This preview shows how white text looks on a background with the Yxy color 11.7734, 0.3683, 0.5212.

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

11.7734, 0.3683, 0.5212

Protanopia

11.5976, 0.4305, 0.4766

Deuteranopia

11.6263, 0.4529, 0.4453



Tritanopia

11.8022, 0.2865, 0.3102

Trichromacy



Original Color

11.7734, 0.3683, 0.5212

Protanomaly

11.5121, 0.4071, 0.4928

Deuteranomaly

11.4349, 0.4214, 0.4736

Tritanomaly

11.7002, 0.3227, 0.3941

Monochromacy



Original Color

11.7734, 0.3683, 0.5212

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.2491, 0.3418, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7734, 0.3683, 0.5212 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(78, 105, 20)` looks like.

```
.text, #text, p{  
    color:rgb(78, 105, 20)  
}
```

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(78, 105, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 105, 20) }
```

Border

The CSS property to change the border of an element to Yxy 11.7734, 0.3683, 0.5212 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(78, 105, 20) }
```

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

```
.border{ border-color:rgb(78, 105, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 105, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 105, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 105, 20);  
box-shadow:4px 4px 4px 4px rgb(78, 105,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7734, 0.3683, 0.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 105, 20) }
```

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

```
.background{ background-color: rgb(78, 105,  
20) }
```

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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