

Converting Colors

$Y_{xy}(12.1654, 0.3755, 0.5020)$

Have a look what the booklet for
Yxy(12.1654, 0.3755, 0.5020)
contains.

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Color

Yxy(12.1654, 0.3755, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	56691C
RGB	86, 105, 28
RGB Percent	34%, 41%, 11%
CMY	0.6627, 0.5882, 0.8901
CMYK	0.18, 0.00, 0.73, 0.59
HSL	75°, 58%, 26%
HSV	75°, 73%, 41%
XYZ	9.0998, 12.1654, 2.9686
YIQ	90.5410, 13.3930, -27.9750

Conversions

Conversions Part 2

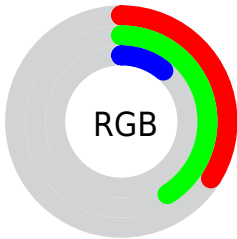
Format	Color
R_{YB}	28, 105, 47
Decimal	5663004
CIE _{Lab}	41.48, -19.01, 38.90
CIE _{LCh}	41, 43.302, 116.045
Yxy	12.1654, 0.3755, 0.5020
Android (android.graphics.Color)	4283853084 (0xFF56691C)
YUV	90.5410, -30.8327, -3.9825
Hunter-Lab	34.8789, -14.4680, 19.3689

Details

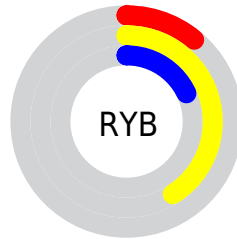
The Yxy color **12.1654, 0.3755, 0.5020** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.4564, 0.2047, 0.1215**, and the grayscale version is **10.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7160, 0.3651, 0.4576**, and **3.4382, 0.3675, 0.5464** is the 20% darker color. If you saturate the color by 10%, you get **12.0034, 0.3781, 0.5180**, and if you desaturate by 10%, it is **12.3506, 0.3707, 0.4824**.

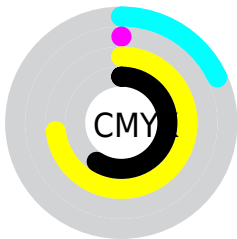
Distribution



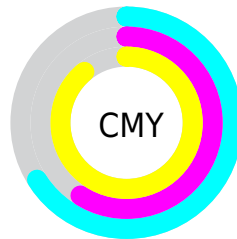
- Red (34%)
- Green (41%)
- Blue (11%)



- Red (11%)
- Yellow (41%)
- Blue (18%)



- Cyan (18%)
- Magenta (0%)
- Yellow (73%)
- Black (59%)





- Cyan (66%)
- Magenta (59%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1654, 0.3755, 0.5020 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 12.1654, 0.3755, 0.5020 by changing the saturation by 10% instead.


 12.1654, 0.3755,
0.5020


 12.1654, 0.3755,
0.5020


 205.4972, 0.3431,
0.3954


 6.8564, 0.3800,
0.5357


 29.7960, 0.3649,
0.4577

 3.3725, 0.3950,
0.6050

 42.8864, 0.3603,
0.4427


 1.3291, 0.3587,
0.6413

 59.3394, 0.3563,
0.4308

 0.1636, 0.0000,
1.0000

 79.5394, 0.3529,
0.4210

 0.0000, 0.0000,
0.0000

 103.8708, 0.3499,
0.4130

 132.7180, 0.3473,

0.4062

■ 166.4653, 0.3451,
0.4004

■ 12.1654, 0.3755,
0.5020

■ 12.1654, 0.3755,
0.5020

■ 12.0034, 0.3781,
0.5180

■ 12.3506, 0.3707,
0.4824

■ 11.8603, 0.3785,
0.5301

■ 12.5589, 0.3640,
0.4599

■ 11.7694, 0.3785,
0.5377

■ 12.7925, 0.3558,
0.4356

■ 13.0526, 0.3465,
0.4103

■ 13.3406, 0.3365,
0.3850

■ 13.6576, 0.3263,
0.3602

■ 14.0046, 0.3160,
0.3365

■ 14.3828, 0.3061,
0.3143

■ 14.7931, 0.2966,
0.2936

Harmonies

Analogous

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



12.1654, 0.4518, 0.4586



12.1654, 0.3755, 0.5020



12.1654, 0.2878, 0.4844

Triad

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



12.1654, 0.3755, 0.5020



12.1654, 0.1569, 0.2246



12.1654, 0.4127, 0.2681

Complementary

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



12.1654, 0.3755, 0.5020



2.4564, 0.2047, 0.1215

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.



12.1654, 0.3154, 0.2211



12.1654, 0.3755, 0.5020



12.1654, 0.1783, 0.1945

Square

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



12.1654, 0.3755, 0.5020



12.1654, 0.1668, 0.2930



12.1654, 0.2314, 0.1950



12.1654, 0.4832, 0.3282

Rectangle

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



12.1654, 0.3755, 0.5020



12.1654, 0.2342, 0.4303



12.1654, 0.2314, 0.1950



12.1654, 0.3810, 0.2505

Sweetspot

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



12.1659, 0.3755, 0.5020



23.9248, 0.3358, 0.3833



5.0402, 0.5098, 0.3664



5.5810, 0.3377, 0.3879



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.



12.1659, 0.3755, 0.5020



21.3059, 0.3786, 0.5270



10.8290, 0.3224, 0.5365



3.5478, 0.3218, 0.3498



14.8850, 0.3780, 0.5381



75.4243, 0.3756, 0.5400

Inverse Universe

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



2.4564, 0.2047, 0.1215



2.8032, 0.1796, 0.0853



3.7584, 0.2758, 0.1556



3.0579, 0.3031, 0.3078



1.5517, 0.1673, 0.0696



7.5534, 0.1628, 0.0671

Previews

White Background



This preview shows how the Yxy color 12.1654, 0.3755, 0.5020 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 12.1654, 0.3755, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

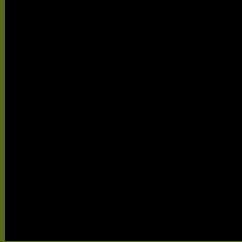
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1654, 0.3755, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 12.1654, 0.3755, 0.5020.



This preview shows how white text looks on a background with the Yxy color 12.1654, 0.3755, 0.5020.

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

12.1654, 0.3755, 0.5020

Protanopia

12.1249, 0.4250, 0.4691

Deuteranopia

12.0761, 0.4455, 0.4405



Tritanopia

12.1557, 0.2962, 0.3108

Trichromacy



Original Color

12.1654, 0.3755, 0.5020

Protanomaly

12.1532, 0.4052, 0.4820

Deuteranomaly

11.8995, 0.4205, 0.4621

Tritanomaly

12.0816, 0.3292, 0.3845

Monochromacy



Original Color

12.1654, 0.3755, 0.5020

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9069, 0.3419, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1654, 0.3755, 0.5020 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(86, 105, 28)` looks like.

```
.text, #text, p{  
    color:rgb(86, 105, 28)  
}
```

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(86, 105, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 105, 28) }
```

Border

The CSS property to change the border of an element to Yxy 12.1654, 0.3755, 0.5020 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(86, 105, 28) }
```

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

```
.border{ border-color:rgb(86, 105, 28) }
```

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

Here you see how a box with a 4 pixel rgb(86, 105, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 105, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 105, 28);  
box-shadow:4px 4px 4px 4px rgb(86, 105,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1654, 0.3755, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 105, 28) }
```

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

```
.background{ background-color: rgb(86, 105,  
28) }
```

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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