

Converting Colors

$Y_{xy}(12.6725, 0.3649, 0.4648)$

Have a look what the booklet for
Yxy(12.6725, 0.3649, 0.4648)
contains.

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Color

Yxy(12.7375, 0.3651, 0.4659)

Conversions

Conversions Part 1

Format	Color
Hex	5B6A2F
RGB	91, 106, 47
RGB Percent	36%, 42%, 18%
CMY	0.6431, 0.5843, 0.8157
CMYK	0.14, 0.00, 0.56, 0.58
HSL	75°, 39%, 30%
HSV	75°, 56%, 42%
XYZ	9.9817, 12.7375, 4.6204
YIQ	94.7890, 9.9990, -21.5290

Conversions

Conversions Part 2

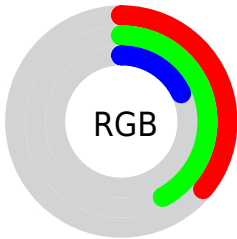
Format	Color
RYB	47, 106, 62
Decimal	5990959
CIELab	42.37, -15.68, 30.87
CIElCh	42, 34.622, 116.920
Yxy	12.7375, 0.3651, 0.4659
Android (android.graphics.Color)	4284181039 (0xFF5B6A2F)
YUV	94.7890, -23.5600, -3.3230
Hunter-Lab	35.6896, -12.5340, 17.3071

Details

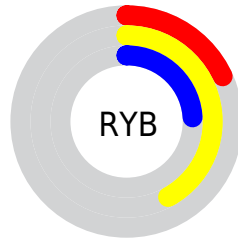
The Yxy color **12.7375, 0.3651, 0.4659** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.0964, 0.2351, 0.1719**, and the grayscale version is **11.4464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7798, 0.3552, 0.4295**, and **3.6415, 0.3782, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **12.5282, 0.3713, 0.4879**, and if you desaturate by 10%, it is **12.9736, 0.3573, 0.4418**.

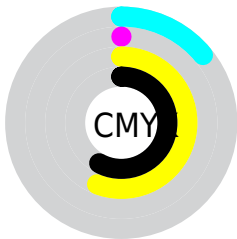
Distribution



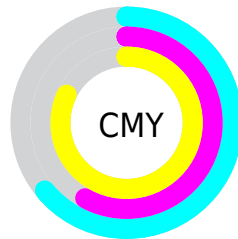
- Red (36%)
- Green (42%)
- Blue (18%)



- Red (18%)
- Yellow (42%)
- Blue (24%)



- Cyan (14%)
- Magenta (0%)
- Yellow (56%)
- Black (58%)





- Cyan (64%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7375, 0.3651, 0.4659 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 12.7375, 0.3651, 0.4659 by changing the saturation by 10% instead.


 12.7375, 0.3651,
0.4659


 12.7375, 0.3651,
0.4659

 209.2284, 0.3364,
0.3813


 7.2480, 0.3715,
0.4941


 30.8314, 0.3546,
0.4302


 3.6177, 0.3803,
0.5395

 44.2046, 0.3506,
0.4184

 1.4621, 0.3864,
0.6136

 60.9745, 0.3472,
0.4090

 0.2618, 0.0000,
1.0000

 81.5255, 0.3444,
0.4014

 0.0000, 0.0000,
0.0000

 106.2420, 0.3419,
0.3951

 135.5084, 0.3398,

0.3897

169.7091, 0.3380,
0.3852

■ 12.7375, 0.3651,
0.4659

■ 12.7375, 0.3651,
0.4659

■ 12.5282, 0.3713,
0.4879

■ 12.9736, 0.3573,
0.4418

■ 12.3425, 0.3754,
0.5069

■ 13.2363, 0.3483,
0.4166

■ 12.1791, 0.3773,
0.5221

■ 13.5275, 0.3386,
0.3911

■ 12.0341, 0.3773,
0.5337

■ 13.8483, 0.3285,
0.3660

■ 11.9735, 0.3772,
0.5387

■ 14.1999, 0.3184,
0.3420

■ 14.5834, 0.3085,
0.3194

■ 14.9998, 0.2989,
0.2983

■ 15.4501, 0.2899,
0.2789

■ 15.9351, 0.2814,
0.2611

Harmonies

Analogous

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



12.7375, 0.4262, 0.4387



12.7375, 0.3651, 0.4659



12.7375, 0.2936, 0.4461

Triad

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



12.7375, 0.3651, 0.4659



12.7375, 0.1843, 0.2451



12.7375, 0.3941, 0.2818

Complementary

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



12.7375, 0.3651, 0.4659



4.0964, 0.2351, 0.1719

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.



12.7375, 0.3183, 0.2414



12.7375, 0.3651, 0.4659



12.7375, 0.2034, 0.2188

Square

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



12.7375, 0.3651, 0.4659



12.7375, 0.1931, 0.3010



12.7375, 0.2494, 0.2189



12.7375, 0.4483, 0.3333

Rectangle

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



12.7375, 0.3651, 0.4659



12.7375, 0.2498, 0.4047



12.7375, 0.2494, 0.2189



12.7375, 0.3697, 0.2667

Sweetspot

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



12.7381, 0.3651, 0.4659



24.1980, 0.3303, 0.3705



6.6867, 0.4438, 0.3634



5.6502, 0.3317, 0.3738



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.



12.7381, 0.3651, 0.4659



21.8783, 0.3728, 0.4943



11.5295, 0.3226, 0.4869



3.5467, 0.3217, 0.3498



14.8425, 0.3767, 0.5391



75.2007, 0.3743, 0.5410

Inverse Universe

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



4.0964, 0.2351, 0.1719



4.9980, 0.2128, 0.1335



5.3095, 0.2892, 0.1930



3.0589, 0.3032, 0.3078



1.5646, 0.1682, 0.0700



7.6114, 0.1636, 0.0675

Previews

White Background



This preview shows how the Yxy color 12.7375, 0.3651, 0.4659 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 12.7375, 0.3651, 0.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

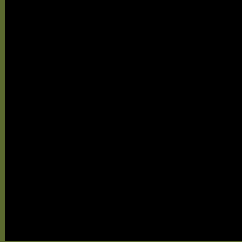
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7375, 0.3651, 0.4659

Background



This preview shows how black text looks on a background with the Yxy color 12.7375, 0.3651, 0.4659.



This preview shows how white text looks on a background with the Yxy color 12.7375, 0.3651, 0.4659.

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

12.7375, 0.3651, 0.4659

Protanopia

12.6833, 0.4053, 0.4436

Deuteranopia

12.6257, 0.4245, 0.4175



Tritanopia

12.7937, 0.2993, 0.3113

Trichromacy



Original Color

12.7375, 0.3651, 0.4659

Protanomaly

12.6431, 0.3906, 0.4508

Deuteranomaly

12.5249, 0.4017, 0.4347

Tritanomaly

12.6075, 0.3241, 0.3664

Monochromacy



Original Color

12.7375, 0.3651, 0.4659

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8534, 0.3345, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7375, 0.3651, 0.4659 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(91, 106, 47)` looks like.

```
.text, #text, p{  
    color:rgb(91, 106, 47)  
}
```

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(91, 106, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 106, 47) }
```

Border

The CSS property to change the border of an element to Yxy 12.7375, 0.3651, 0.4659 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(91, 106, 47) }
```

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

```
.border{ border-color:rgb(91, 106, 47) }
```

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

Here you see how a box with a 4 pixel rgb(91, 106, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 106, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 106, 47);  
box-shadow:4px 4px 4px 4px rgb(91, 106,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7375, 0.3651, 0.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 106, 47) }
```

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

```
.background{ background-color: rgb(91, 106,  
47) }
```

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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