

Converting Colors

$Y_{xy}(29.9631, 0.3767, 0.5086)$

Have a look what the booklet for
Yxy(29.9631, 0.3767, 0.5086)
contains.

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Color

Yxy(30.0546, 0.3757, 0.5088)

Conversions

Conversions Part 1

Format	Color
Hex	82A02A
RGB	130, 160, 42
RGB Percent	51%, 63%, 16%
CMY	0.4903, 0.3725, 0.8353
CMYK	0.19, 0.00, 0.74, 0.37
HSL	75°, 58%, 40%
HSV	75°, 74%, 63%
XYZ	22.1924, 30.0546, 6.8225
YIQ	137.5780, 19.9980, -43.0580

Conversions

Conversions Part 2

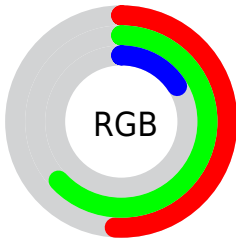
Format	Color
RYB	42, 160, 72
Decimal	8560682
CIELab	61.70, -27.03, 54.53
CIELCh	62, 60.863, 116.369
Yxy	30.0546, 0.3757, 0.5088
Android (android.graphics.Color)	4286750762 (0xFF82A02A)
YUV	137.5780, -47.1200, -6.6459
Hunter-Lab	54.8221, -23.6803, 30.9969

Details

The Yxy color **30.0546, 0.3757, 0.5088** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5743, 0.2000, 0.1132**, and the grayscale version is **25.4232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8845, 0.3682, 0.4726**, and **12.2616, 0.3703, 0.5442** is the 20% darker color. If you saturate the color by 10%, you get **29.6477, 0.3774, 0.5241**, and if you desaturate by 10%, it is **30.5227, 0.3716, 0.4894**.

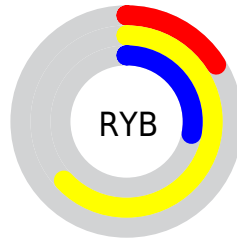
Distribution



Red (51%)

Green (63%)

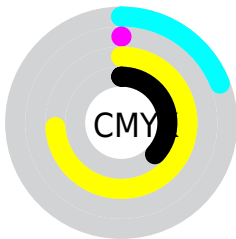
Blue (16%)



Red (16%)

Yellow (63%)

Blue (28%)

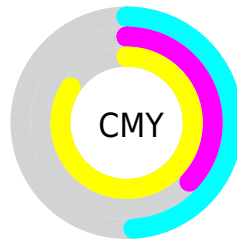


Cyan (19%)

Magenta (0%)

Yellow (74%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0546, 0.3757, 0.5088 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 30.0546, 0.3757, 0.5088 by changing the saturation by 10% instead.

30.0546, 0.3757,
0.5088

30.0546, 0.3757,
0.5088

302.1589, 0.3490,
0.4116

19.8800, 0.3787,
0.5334

59.7485, 0.3682,
0.4727

12.3079, 0.3795,
0.5639

80.0367, 0.3646,
0.4592

6.9537, 0.3834,
0.6158

104.4648, 0.3613,
0.4480

3.4332, 0.3551,
0.6449

133.4173, 0.3583,
0.4384

1.3618, 0.2955,
0.7045

167.2785, 0.3556,
0.4303

0.1883, 0.0000,
1.0000

206.4330, 0.3532,

0.0000, 0.0000,

0.4232

0.0000

251.2649, 0.3510,
0.4170

■ 30.0546, 0.3757,
0.5088

■ 30.0546, 0.3757,
0.5088

■ 29.6477, 0.3774,
0.5241

■ 30.5227, 0.3716,
0.4894

■ 29.2920, 0.3766,
0.5348

■ 31.0529, 0.3653,
0.4666

■ 29.0869, 0.3754,
0.5401

■ 31.6510, 0.3572,
0.4415

■ 32.3209, 0.3478,
0.4152

■ 33.0663, 0.3376,
0.3887

■ 33.8904, 0.3271,
0.3627

■ 34.7964, 0.3166,
0.3379

■ 35.7871, 0.3063,
0.3146

■ 36.8654, 0.2965,
0.2931

Harmonies

Analogous

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



30.0546, 0.4551, 0.4626



30.0546, 0.3757, 0.5088



30.0546, 0.2852, 0.4908

Triad

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



30.0546, 0.3757, 0.5088



30.0546, 0.1522, 0.2202



30.0546, 0.4176, 0.2665

Complementary

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



30.0546, 0.3757, 0.5088



5.5743, 0.2000, 0.1132

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.



30.0546, 0.3163, 0.2181



30.0546, 0.3757, 0.5088



30.0546, 0.1745, 0.1901

Square

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



30.0546, 0.3757, 0.5088



30.0546, 0.1618, 0.2901



30.0546, 0.2293, 0.1911



30.0546, 0.4903, 0.3281

Rectangle

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



30.0546, 0.3757, 0.5088



30.0546, 0.2301, 0.4337



30.0546, 0.2293, 0.1911



30.0546, 0.3846, 0.2484

Sweetspot

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



30.0560, 0.3757, 0.5088



60.2213, 0.3363, 0.3852



12.2133, 0.5204, 0.3694



13.1290, 0.3389, 0.3918



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.0560, 0.3757, 0.5088



53.4305, 0.3772, 0.5310



26.6707, 0.3201, 0.5464



7.6354, 0.3224, 0.3514



22.6773, 0.3759, 0.5398



0.4241, 0.3944, 0.5251

Inverse Universe

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



5.5743, 0.2000, 0.1132



6.6822, 0.1770, 0.0814



8.9812, 0.2763, 0.1508



6.5128, 0.3025, 0.3062



2.3583, 0.1666, 0.0692



0.0605, 0.2061, 0.0909

Previews

White Background



This preview shows how the Yxy color 30.0546, 0.3757, 0.5088 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 30.0546, 0.3757, 0.5088 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 ✓ Pass

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

Yxy 30.0546, 0.3757, 0.5088

Background



This preview shows how black text looks on a background with the Yxy color 30.0546, 0.3757, 0.5088.



This preview shows how white text looks on a background with the Yxy color 30.0546, 0.3757, 0.5088.

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

30.0546, 0.3757, 0.5088

Protanopia

29.8569, 0.4283, 0.4727

Deuteranopia

29.7191, 0.4515, 0.4421



Tritanopia

29.9077, 0.2957, 0.3102

Trichromacy



Original Color

30.0546, 0.3757, 0.5088

Protanomaly

29.8057, 0.4092, 0.4859

Deuteranomaly

29.4920, 0.4239, 0.4660

Tritanomaly

29.4937, 0.3302, 0.3873

Monochromacy



Original Color

30.0546, 0.3757, 0.5088

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6879, 0.3432, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0546, 0.3757, 0.5088 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(130, 160, 42)` looks like.

```
.text, #text, p{  
    color:rgb(130, 160, 42)  
}
```

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(130, 160, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 160, 42) }
```

Border

The CSS property to change the border of an element to Yxy 30.0546, 0.3757, 0.5088 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(130, 160, 42) }
```

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

```
.border{ border-color:rgb(130, 160, 42) }
```

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

Here you see how a box with a 4 pixel rgb(130, 160, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 160, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 160, 42);  
box-shadow:4px 4px 4px 4px rgb(130, 160,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0546, 0.3757, 0.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 160, 42) }
```

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

```
.background{ background-color: rgb(130,  
160, 42) }
```

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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