

Converting Colors

$Y_{xy}(30.0898, 0.3560, 0.5184)$

Have a look what the booklet for
Yxy(30.0898, 0.3560, 0.5184)
contains.

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Color

Yxy(30.0365, 0.3563, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	73A32E
RGB	115, 163, 46
RGB Percent	45%, 64%, 18%
CMY	0.5490, 0.3608, 0.8198
CMYK	0.29, 0.00, 0.72, 0.36
HSL	85°, 56%, 41%
HSV	85°, 72%, 64%
XYZ	20.6602, 30.0365, 7.2888
YIQ	135.3100, 8.9490, -46.5630

Conversions

Conversions Part 2

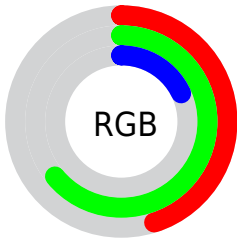
Format	Color
RYB	46, 163, 94
Decimal	7578414
CIELab	61.69, -34.22, 52.73
CIElCh	62, 62.864, 122.980
Yxy	30.0365, 0.3563, 0.5180
Android (android.graphics.Color)	4285768494 (0xFF73A32E)
YUV	135.3100, -44.0298, -17.8119
Hunter-Lab	54.8056, -28.6200, 30.4787

Details

The Yxy color **30.0365, 0.3563, 0.5180** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.9728, 0.2237, 0.1279**, and the grayscale version is **24.5135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5897, 0.3527, 0.4787**, and **12.3610, 0.3466, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **29.4960, 0.3560, 0.5371**, and if you desaturate by 10%, it is **30.6613, 0.3543, 0.4947**.

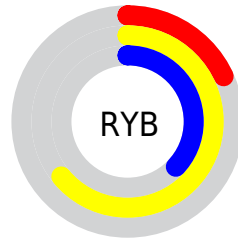
Distribution



Red (45%)

Green (64%)

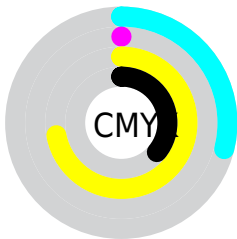
Blue (18%)



Red (18%)

Yellow (64%)

Blue (37%)

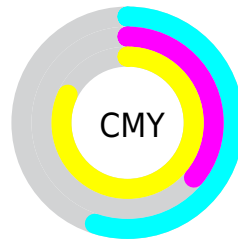


Cyan (29%)

Magenta (0%)

Yellow (72%)

Black (36%)



Cyan (55%)


Magenta (36%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0365, 0.3563, 0.5180 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 30.0365, 0.3563, 0.5180 by changing the saturation by 10% instead.


 30.0365, 0.3563,
0.5180


 30.0365, 0.3563,
0.5180


302.0745, 0.3400,
0.4138

 19.8663, 0.3566,
0.5455


 59.7199, 0.3527,
0.4785


 12.2979, 0.3539,
0.5806


 80.0019, 0.3505,
0.4640

 6.9469, 0.3507,
0.6372


 104.4232, 0.3484,
0.4520

 3.4289, 0.3185,
0.6815

 133.3684, 0.3465,
0.4419

 1.3595, 0.2248,
0.7752

 167.2217, 0.3446,
0.4333

 0.1866, 0.0000,
1.0000

 206.3675, 0.3430,

 0.0000, 0.0000,

0.4259

0.0000

251.1904, 0.3414,
0.4194

■ 30.0365, 0.3563,
0.5180

■ 30.0365, 0.3563,
0.5180

■ 29.4960, 0.3560,
0.5371

■ 30.6613, 0.3543,
0.4947

■ 29.0292, 0.3534,
0.5513

■ 31.3721, 0.3503,
0.4685

■ 28.6911, 0.3502,
0.5601

■ 32.1752, 0.3446,
0.4407

■ 33.0751, 0.3377,
0.4124

■ 34.0760, 0.3301,
0.3846

■ 35.1818, 0.3222,
0.3581

■ 36.3962, 0.3142,
0.3333

■ 37.7226, 0.3063,
0.3104

■ 39.1643, 0.2987,
0.2896

Harmonies

Analogous

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



30.0365, 0.4424, 0.4793



30.0365, 0.3563, 0.5180



30.0365, 0.2640, 0.4810

Triad

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



30.0365, 0.3563, 0.5180



30.0365, 0.1505, 0.2069



30.0365, 0.4418, 0.2776

Complementary

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



30.0365, 0.3563, 0.5180



6.9728, 0.2237, 0.1279

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.



30.0365, 0.3392, 0.2244



30.0365, 0.3563, 0.5180



30.0365, 0.1803, 0.1842

Square

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



30.0365, 0.3563, 0.5180



30.0365, 0.1527, 0.2686



30.0365, 0.2438, 0.1916



30.0365, 0.5042, 0.3421

Rectangle

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



30.0365, 0.3563, 0.5180



30.0365, 0.2112, 0.4125



30.0365, 0.2438, 0.1916



30.0365, 0.4096, 0.2581

Sweetspot

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



30.0378, 0.3563, 0.5180



60.9109, 0.3306, 0.3863



15.7735, 0.4890, 0.3957



13.5740, 0.3326, 0.3933



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.0378, 0.3563, 0.5180



52.3227, 0.3548, 0.5460



27.2822, 0.3086, 0.5496



8.0918, 0.3201, 0.3516



22.3241, 0.3508, 0.5597



0.4957, 0.3762, 0.5395

Inverse Universe

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



6.9728, 0.2237, 0.1279



8.6055, 0.2017, 0.0962



11.2032, 0.3030, 0.1664



6.9951, 0.3048, 0.3062



3.0036, 0.1880, 0.0809



0.0904, 0.2313, 0.1048

Previews

White Background



This preview shows how the Yxy color 30.0365, 0.3563, 0.5180 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 30.0365, 0.3563, 0.5180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

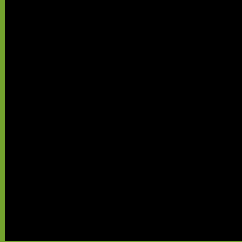
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0365, 0.3563, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 30.0365, 0.3563, 0.5180.



This preview shows how white text looks on a background with the Yxy color 30.0365, 0.3563, 0.5180.

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

30.0365, 0.3563, 0.5180

Protanopia

29.8775, 0.4267, 0.4705

Deuteranopia

29.6304, 0.4477, 0.4393



Tritanopia

29.8826, 0.2813, 0.3097

Trichromacy



Original Color

30.0365, 0.3563, 0.5180

Protanomaly

29.5815, 0.4000, 0.4889

Deuteranomaly

29.2075, 0.4138, 0.4676

Tritanomaly

29.5174, 0.3138, 0.3892

Monochromacy



Original Color

30.0365, 0.3563, 0.5180

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.8193, 0.3357, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0365, 0.3563, 0.5180 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(115, 163, 46)` looks like.

```
.text, #text, p{  
    color:rgb(115, 163, 46)  
}
```

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(115, 163, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 163, 46) }
```

Border

The CSS property to change the border of an element to Yxy 30.0365, 0.3563, 0.5180 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(115, 163, 46) }
```

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

```
.border{ border-color:rgb(115, 163, 46) }
```

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

Here you see how a box with a 4 pixel rgb(115, 163, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 163, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 163, 46);  
box-shadow:4px 4px 4px 4px rgb(115, 163,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0365, 0.3563, 0.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 163, 46) }
```

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

```
.background{ background-color: rgb(115,  
163, 46) }
```

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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