

Converting Colors

$Y_{xy}(29.3735, 0.3579, 0.5462)$

Have a look what the booklet for
Yxy(29.3735, 0.3579, 0.5462)
contains.

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Color

Yxy(29.3576, 0.3582, 0.5462)

Conversions

Conversions Part 1

Format	Color
Hex	6BA310
RGB	107, 163, 16
RGB Percent	42%, 64%, 6%
CMY	0.5804, 0.3608, 0.9376
CMYK	0.34, 0.00, 0.90, 0.36
HSL	83°, 82%, 35%
HSV	83°, 90%, 64%
XYZ	19.2528, 29.3576, 5.1384
YIQ	129.4980, 13.8110, -57.5890

Conversions

Conversions Part 2

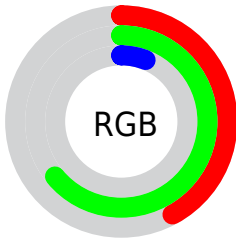
Format	Color
RYB	16, 163, 72
Decimal	7054096
CIELab	61.10, -38.67, 60.65
CIELCh	61, 71.926, 122.518
Yxy	29.3576, 0.3582, 0.5462
Android (android.graphics.Color)	4285244176 (0xFF6BA310)
YUV	129.4980, -55.9545, -19.7307
Hunter-Lab	54.1827, -31.3929, 32.3051

Details

The Yxy color **29.3576, 0.3582, 0.5462** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.3877, 0.1937, 0.0898**, and the grayscale version is **22.3309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4939, 0.3567, 0.5018**, and **12.0727, 0.3344, 0.5727** is the 20% darker color. If you saturate the color by 10%, you get **28.9591, 0.3547, 0.5566**, and if you desaturate by 10%, it is **29.8259, 0.3600, 0.5317**.

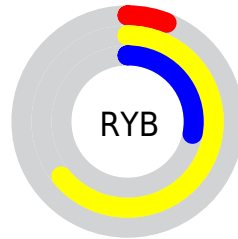
Distribution



Red (42%)

Green (64%)

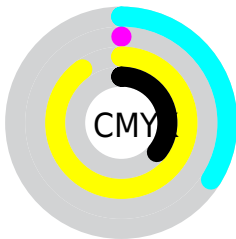
Blue (6%)



Red (6%)

Yellow (64%)

Blue (28%)

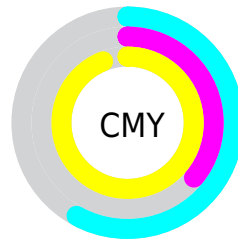


Cyan (34%)

Magenta (0%)

Yellow (90%)

Black (36%)



Cyan (58%)

Magenta (36%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3576, 0.3582, 0.5462 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 29.3576, 0.3582, 0.5462 by changing the saturation by 10% instead.


 29.3576, 0.3582,
0.5462


 29.3576, 0.3582,
0.5462


298.8985, 0.3440,
0.4271

 19.3515, 0.3561,
0.5763


 58.6448, 0.3566,
0.5018

 11.9245, 0.3494,
0.6139


 78.6946, 0.3548,
0.4852


 6.6923, 0.3352,
0.6648


 102.8612, 0.3528,
0.4714

 3.2704, 0.2929,
0.7071

 131.5289, 0.3508,
0.4598

 1.2745, 0.1493,
0.8507

 165.0820, 0.3490,
0.4498

 0.1213, 0.0000,
1.0000

 203.9051, 0.3472,

 0.0000, 0.0000,

0.4412

0.0000

248.3825, 0.3456,
0.4337

29.3576, 0.3582,
0.5462

29.3576, 0.3582,
0.5462

28.9591, 0.3547,
0.5566

29.8259, 0.3600,
0.5317

30.3649, 0.3595,
0.5124

30.9824, 0.3567,
0.4891

31.6835, 0.3519,
0.4631

32.4732, 0.3455,
0.4355

■ 33.3557, 0.3380,
0.4076

■ 34.3350, 0.3299,
0.3802

■ 35.4150, 0.3214,
0.3540

■ 36.5990, 0.3129,
0.3296

Harmonies

Analogous

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



29.3576, 0.4552, 0.4928



29.3576, 0.3582, 0.5462



29.3576, 0.2556, 0.5099

Triad

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



29.3576, 0.3582, 0.5462



29.3576, 0.1327, 0.1915



29.3576, 0.4593, 0.2686

Complementary

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



29.3576, 0.3582, 0.5462



4.3877, 0.1937, 0.0898

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.



29.3576, 0.3400, 0.2112



29.3576, 0.3582, 0.5462



29.3576, 0.1641, 0.1678

Square

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



29.3576, 0.3582, 0.5462



29.3576, 0.1345, 0.2590



29.3576, 0.2326, 0.1759



29.3576, 0.5310, 0.3379

Rectangle

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



29.3576, 0.3582, 0.5462



29.3576, 0.1972, 0.4283



29.3576, 0.2326, 0.1759



29.3576, 0.4217, 0.2476

Sweetspot

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



29.3589, 0.3582, 0.5462



60.1948, 0.3358, 0.4000



12.1858, 0.5519, 0.3870



13.3973, 0.3384, 0.4090



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.



29.3589, 0.3582, 0.5462



51.7414, 0.3536, 0.5574



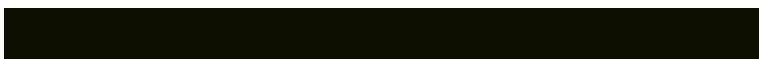
26.6003, 0.3063, 0.5860



8.1019, 0.3206, 0.3516



22.5315, 0.3553, 0.5561



0.4993, 0.3793, 0.5371

Inverse Universe

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



4.3877, 0.1937, 0.0898



6.4676, 0.1806, 0.0768



8.8875, 0.2911, 0.1422



6.9853, 0.3044, 0.3062



2.8774, 0.1833, 0.0783



0.0870, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 29.3576, 0.3582, 0.5462 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 29.3576, 0.3582, 0.5462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

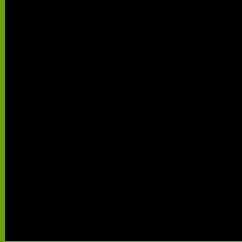
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3576, 0.3582, 0.5462

Background



This preview shows how black text looks on a background with the Yxy color 29.3576, 0.3582, 0.5462.



This preview shows how white text looks on a background with the Yxy color 29.3576, 0.3582, 0.5462.

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

29.3576, 0.3582, 0.5462

Protanopia

28.9920, 0.4394, 0.4861

Deuteranopia

28.9009, 0.4612, 0.4512



Tritanopia

29.4219, 0.2760, 0.3094

Trichromacy



Original Color

29.3576, 0.3582, 0.5462

Protanomaly

28.8264, 0.4085, 0.5091

Deuteranomaly

28.4317, 0.4229, 0.4867

Tritanomaly

28.7543, 0.3165, 0.4104

Monochromacy



Original Color

29.3576, 0.3582, 0.5462

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.8193, 0.3435, 0.4268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3576, 0.3582, 0.5462 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(107, 163, 16)` looks like.

```
.text, #text, p{  
    color:rgb(107, 163, 16)  
}
```

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(107, 163, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 163, 16) }
```

Border

The CSS property to change the border of an element to Yxy 29.3576, 0.3582, 0.5462 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(107, 163, 16) }
```

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

```
.border{ border-color:rgb(107, 163, 16) }
```

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

Here you see how a box with a 4 pixel rgb(107, 163, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 163, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 163, 16);  
box-shadow:4px 4px 4px 4px rgb(107, 163,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3576, 0.3582, 0.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 163, 16) }
```

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

```
.background{ background-color: rgb(107,  
163, 16) }
```

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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