

Converting Colors

$Y_{xy}(28.8359, 0.3490, 0.5549)$

Have a look what the booklet for
Yxy(28.8359, 0.3490, 0.5549)
contains.

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Color

Yxy(28.7648, 0.3491, 0.5548)

Conversions

Conversions Part 1

Format	Color
Hex	61A30D
RGB	97, 163, 13
RGB Percent	38%, 64%, 5%
CMY	0.6196, 0.3608, 0.9486
CMYK	0.40, 0.00, 0.92, 0.36
HSL	86°, 85%, 35%
HSV	86°, 92%, 64%
XYZ	18.0998, 28.7648, 4.9825
YIQ	126.1660, 8.8140, -60.6420

Conversions

Conversions Part 2

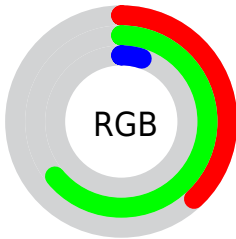
Format	Color
RYB	13, 163, 79
Decimal	6398733
CIELab	60.57, -42.40, 60.49
CIELCh	61, 73.866, 125.027
Yxy	28.7648, 0.3491, 0.5548
Android (android.graphics.Color)	4284588813 (0xFF61A30D)
YUV	126.1660, -55.7908, -25.5786
Hunter-Lab	53.6328, -33.6178, 32.0349

Details

The Yxy color **28.7648, 0.3491, 0.5548** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.6029, 0.2014, 0.0928**, and the grayscale version is **21.1198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4652, 0.3495, 0.5074**, and **11.8002, 0.3219, 0.5826** is the 20% darker color. If you saturate the color by 10%, you get **28.4309, 0.3457, 0.5637**, and if you desaturate by 10%, it is **29.2398, 0.3520, 0.5402**.

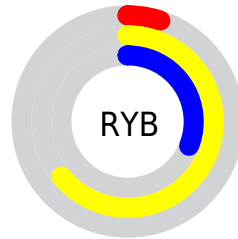
Distribution



Red (38%)

Green (64%)

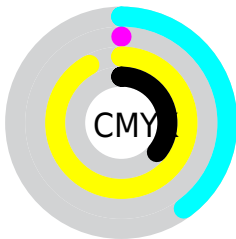
Blue (5%)



Red (5%)

Yellow (64%)

Blue (31%)

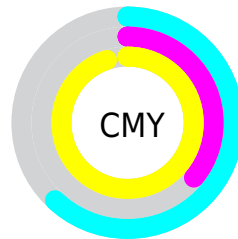


Cyan (40%)

Magenta (0%)

Yellow (92%)

Black (36%)



Cyan (62%)

Magenta (36%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7648, 0.3491, 0.5548 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 28.7648, 0.3491, 0.5548 by changing the saturation by 10% instead.


 28.7648, 0.3491,
0.5548

 28.7648, 0.3491,
0.5548


296.1036, 0.3402,
0.4297

 18.9030, 0.3454,
0.5870


 57.7032, 0.3496,
0.5077


 11.6002, 0.3364,
0.6278


 77.5485, 0.3485,
0.4903


 6.4721, 0.3181,
0.6819


 101.4905, 0.3472,
0.4758

 3.1342, 0.2708,
0.7292

 129.9135, 0.3457,
0.4636

 1.2022, 0.0606,
0.9394

 163.2019, 0.3443,
0.4532

 0.0635, 0.0000,
1.0000

 201.7401, 0.3428,

 0.0000, 0.0000,

0.4443

0.0000

245.9126, 0.3415,
0.4365

28.7648, 0.3491,
0.5548

28.7648, 0.3491,
0.5548

28.4309, 0.3457,
0.5637

29.2398, 0.3520,
0.5402

29.7930, 0.3528,
0.5207

30.4324, 0.3512,
0.4969

31.1637, 0.3477,
0.4702

31.9922, 0.3426,
0.4419

■ 32.9226, 0.3362,
0.4132

■ 33.9592, 0.3292,
0.3852

■ 35.1061, 0.3217,
0.3585

■ 36.3670, 0.3142,
0.3336

Harmonies

Analogous

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



28.7648, 0.4501, 0.5025



28.7648, 0.3491, 0.5548



28.7648, 0.2448, 0.5085

Triad

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



28.7648, 0.3491, 0.5548



28.7648, 0.1299, 0.1840



28.7648, 0.4731, 0.2721

Complementary

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



28.7648, 0.3491, 0.5548



4.6029, 0.2014, 0.0928

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.



28.7648, 0.3511, 0.2123



28.7648, 0.3491, 0.5548



28.7648, 0.1646, 0.1634

Square

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



28.7648, 0.3491, 0.5548



28.7648, 0.1285, 0.2482



28.7648, 0.2379, 0.1742



28.7648, 0.5401, 0.3430

Rectangle

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



28.7648, 0.3491, 0.5548



28.7648, 0.1871, 0.4195



28.7648, 0.2379, 0.1742



28.7648, 0.4353, 0.2504

Sweetspot

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



28.7661, 0.3491, 0.5548



59.5750, 0.3339, 0.4035



13.2746, 0.5396, 0.4000



13.2146, 0.3367, 0.4152



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.



28.7661, 0.3491, 0.5548



50.7948, 0.3445, 0.5647



26.4083, 0.3026, 0.5907



8.0813, 0.3197, 0.3517



22.1223, 0.3463, 0.5632



0.4922, 0.3731, 0.5419

Inverse Universe

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



4.6029, 0.2014, 0.0928



7.0738, 0.1904, 0.0822



9.7087, 0.3057, 0.1492



7.0054, 0.3052, 0.3062



3.1455, 0.1931, 0.0838



0.0939, 0.2363, 0.1075

Previews

White Background



This preview shows how the Yxy color 28.7648, 0.3491, 0.5548 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 28.7648, 0.3491, 0.5548 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 28.7648, 0.3491, 0.5548

Background



This preview shows how black text looks on a background with the Yxy color 28.7648, 0.3491, 0.5548.



This preview shows how white text looks on a background with the Yxy color 28.7648, 0.3491, 0.5548.

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

28.7648, 0.3491, 0.5548

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.3597, 0.4608, 0.4521



Tritanopia

28.7816, 0.2684, 0.3090

Trichromacy



Original Color

28.7648, 0.3491, 0.5548

Protanomaly

28.0429, 0.4049, 0.5145

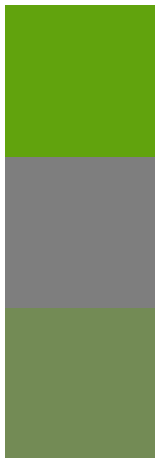
Deuteranomaly

27.6174, 0.4190, 0.4910

Tritanomaly

28.0692, 0.3078, 0.4147

Monochromacy



Original Color

28.7648, 0.3491, 0.5548

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.7660, 0.3401, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7648, 0.3491, 0.5548 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(97, 163, 13)` looks like.

```
.text, #text, p{  
    color:rgb(97, 163, 13)  
}
```

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(97, 163, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 163, 13) }
```

Border

The CSS property to change the border of an element to Yxy 28.7648, 0.3491, 0.5548 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(97, 163, 13) }
```

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

```
.border{ border-color:rgb(97, 163, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 163, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 163, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 163, 13);  
box-shadow:4px 4px 4px 4px rgb(97, 163,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7648, 0.3491, 0.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 163, 13) }
```

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

```
.background{ background-color: rgb(97, 163,  
13) }
```

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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