

# Converting Colors

$Y_{xy}(28.0472, 0.3741, 0.5306)$

Have a look what the booklet for  
Yxy(28.0472, 0.3741, 0.5306)  
contains.

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**Color**

**Yxy(28.0864, 0.3740, 0.5308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	779D14
RGB	119, 157, 20
RGB Percent	47%, 62%, 8%
CMY	0.5334, 0.3843, 0.9218
CMYK	0.24, 0.00, 0.87, 0.38
HSL	77°, 77%, 35%
HSV	77°, 87%, 62%
XYZ	19.7896, 28.0864, 5.0373
YIQ	130.0200, 21.3290, -50.6630

# Conversions

## Conversions Part 2

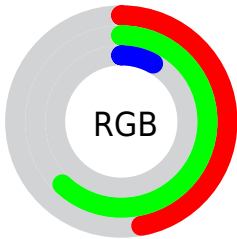
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 157, 58
Decimal	7838996
CIE <sub>Lab</sub>	59.97, -31.09, 59.18
CIE <sub>LCh</sub>	60, 66.851, 117.718
Yxy	28.0864, 0.3740, 0.5308
Android (android.graphics.Color)	4286029076 (0xFF779D14)
YUV	130.0200, -54.2399, -9.6645
Hunter-Lab	52.9966, -26.0899, 31.4621

# Details

The Yxy color **28.0864, 0.3740, 0.5308** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.8317, 0.1831, 0.0868**, and the grayscale version is **22.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7801, 0.3686, 0.4905**, and **11.2270, 0.3572, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **27.7455, 0.3722, 0.5406**, and if you desaturate by 10%, it is **28.4778, 0.3735, 0.5167**.

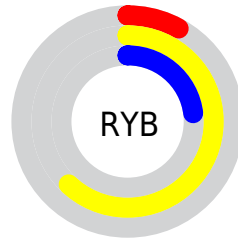
# Distribution



Red (47%)

Green (62%)

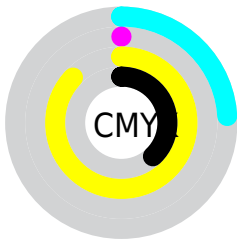
Blue (8%)



Red (8%)

Yellow (62%)

Blue (23%)

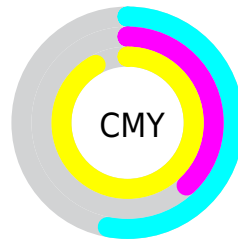


Cyan (24%)

Magenta (0%)

Yellow (87%)

Black (38%)



Cyan (53%)

Magenta (38%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0864, 0.3740, 0.5308 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 28.0864, 0.3740, 0.5308 by changing the saturation by 10% instead.




 28.0864, 0.3740,  
0.5308


 28.0864, 0.3740,  
0.5308


 292.8795, 0.3502,  
0.4210


 18.3908, 0.3748,  
0.5581


 56.6224, 0.3685,  
0.4901

 11.2309, 0.3720,  
0.5921


 76.2315, 0.3653,  
0.4749


 6.2224, 0.3629,  
0.6371

 99.9139, 0.3623,  
0.4621

 2.9808, 0.3269,  
0.6731

 128.0541, 0.3594,  
0.4513

 1.1217, 0.2052,  
0.7948

 161.0363, 0.3568,  
0.4421

 0.0000, 0.0000,  
0.0000

 199.2450, 0.3544,

0.4341

243.0647, 0.3522,  
0.4271

28.0864, 0.3740,  
0.5308

28.0864, 0.3740,  
0.5308

27.7455, 0.3722,  
0.5406

28.4778, 0.3735,  
0.5167

27.6571, 0.3717,  
0.5431

28.9242, 0.3706,  
0.4981

29.4320, 0.3654,  
0.4760

30.0055, 0.3583,  
0.4512

30.6487, 0.3498,  
0.4249

■ 31.3652, 0.3402,  
0.3982

■ 32.1583, 0.3302,  
0.3718

■ 33.0310, 0.3200,  
0.3465

■ 33.9863, 0.3100,  
0.3227

# Harmonies

## Analogous

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



28.0864, 0.4633, 0.4758



28.0864, 0.3740, 0.5308



28.0864, 0.2750, 0.5109

# Triad

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



28.0864, 0.3740, 0.5308



28.0864, 0.1381, 0.2055



28.0864, 0.4348, 0.2621

# Complementary

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



28.0864, 0.3740, 0.5308



3.8317, 0.1831, 0.0868

# 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.



28.0864, 0.3208, 0.2094



28.0864, 0.3740, 0.5308



28.0864, 0.1634, 0.1762

# Square

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



28.0864, 0.3740, 0.5308



28.0864, 0.1458, 0.2789



28.0864, 0.2236, 0.1792



28.0864, 0.5134, 0.3281



# Rectangle

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



28.0864, 0.3740, 0.5308



28.0864, 0.2158, 0.4427



28.0864, 0.2236, 0.1792



28.0864, 0.3978, 0.2425

# Sweetspot

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



28.0877, 0.3740, 0.5308



56.2744, 0.3395, 0.3961



10.0961, 0.5654, 0.3690



12.2889, 0.3426, 0.4046



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



28.0877, 0.3740, 0.5308



49.4271, 0.3708, 0.5438



24.8947, 0.3144, 0.5757



7.6278, 0.3220, 0.3514



22.4797, 0.3720, 0.5428



0.4217, 0.3921, 0.5269



# Inverse Universe

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



3.8317, 0.1831, 0.0868



5.2174, 0.1669, 0.0693



7.2951, 0.2709, 0.1336



6.5199, 0.3028, 0.3062



2.4205, 0.1692, 0.0706



0.0627, 0.2105, 0.0933



# Previews

## White Background



This preview shows how the Yxy color 28.0864, 0.3740, 0.5308 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 28.0864, 0.3740, 0.5308 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 28.0864, 0.3740, 0.5308**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0864, 0.3740, 0.5308.



This preview shows how white text looks on a background with the Yxy color 28.0864, 0.3740, 0.5308.

# 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

28.0864, 0.3740, 0.5308

### Protanopia

27.6653, 0.4369, 0.4841

### Deuteranopia

27.8306, 0.4599, 0.4524



## Tritanopia

28.0129, 0.2886, 0.3095

# Trichromacy



## Original Color

28.0864, 0.3740, 0.5308

## Protanomaly

27.6464, 0.4126, 0.5025

## Deuteranomaly

27.3043, 0.4281, 0.4811

## Tritanomaly

27.4846, 0.3296, 0.4024

# Monochromacy



## Original Color

28.0864, 0.3740, 0.5308

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

23.9300, 0.3478, 0.4198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0864, 0.3740, 0.5308 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(119, 157, 20)` looks like.

```
.text, #text, p{  
    color:rgb(119, 157, 20)  
}
```

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(119, 157, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 157, 20) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0864, 0.3740, 0.5308 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(119, 157, 20) }
```

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

```
.border{ border-color:rgb(119, 157, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 157, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 157, 20); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 157, 20); box-shadow:4px 4px 4px 4px rgb(119, 157, 20) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0864, 0.3740, 0.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 157, 20) }
```

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

```
.background{ background-color: rgb(119,  
157, 20) }
```

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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