

# Converting Colors

$Yxy(29.7012, 0.3474, 0.5561)$

Have a look what the booklet for  
Yxy(29.7012, 0.3474, 0.5561)  
contains.

<b>Yxy(29.8455, 0.3473, 0.5559)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(29.8455, 0.3473, 0.5559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	61A60E
RGB	97, 166, 14
RGB Percent	38%, 65%, 5%
CMY	0.6196, 0.3490, 0.9447
CMYK	0.42, 0.00, 0.91, 0.35
HSL	87°, 84%, 35%
HSV	87°, 91%, 65%
XYZ	18.6461, 29.8455, 5.1971
YIQ	128.0410, 7.6680, -61.9000

# Conversions

## Conversions Part 2

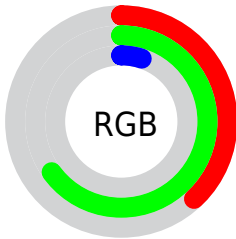
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 166, 83
Decimal	6399502
CIE <sub>Lab</sub>	61.52, -43.61, 61.11
CIE <sub>LCh</sub>	62, 75.076, 125.516
Yxy	29.8455, 0.3473, 0.5559
Android (android.graphics.Color)	4284589582 (0xFF61A60E)
YUV	128.0410, -56.2222, -27.2230
Hunter-Lab	54.6310, -34.6807, 32.6015

# Details

The Yxy color **29.8455, 0.3473, 0.5559** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.9145, 0.2042, 0.0945**, and the grayscale version is **21.8036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6771, 0.3483, 0.5088**, and **12.2223, 0.3203, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **29.4767, 0.3436, 0.5654**, and if you desaturate by 10%, it is **30.3464, 0.3503, 0.5410**.

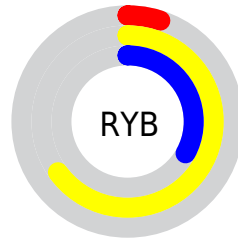
# Distribution



Red (38%)

Green (65%)

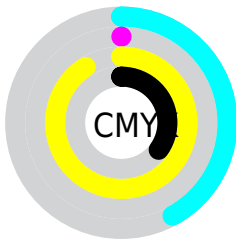
Blue (5%)



Red (5%)

Yellow (65%)

Blue (33%)

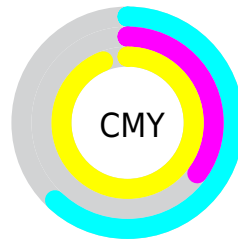


Cyan (42%)

Magenta (0%)

Yellow (91%)

Black (35%)



Cyan (62%)

Magenta (35%)


Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8455, 0.3473, 0.5559 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 29.8455, 0.3473, 0.5559 by changing the saturation by 10% instead.





 29.8455, 0.3473,  
0.5559


 29.8455, 0.3473,  
0.5559


301.1836, 0.3395,  
0.4306


 19.7213, 0.3434,  
0.5880


 59.4178, 0.3482,  
0.5089

 12.1927, 0.3341,  
0.6281


 79.6347, 0.3473,  
0.4915


 6.8750, 0.3167,  
0.6833


 103.9846, 0.3461,  
0.4770

 3.3841, 0.2702,  
0.7298

 132.8520, 0.3447,  
0.4648

 1.3354, 0.0995,  
0.9005

 166.6211, 0.3434,  
0.4543

 0.1683, 0.0000,  
1.0000

 205.6766, 0.3420,

 0.0000, 0.0000,

0.4453

0.0000

250.4026, 0.3407,  
0.4375

29.8455, 0.3473,  
0.5559

29.8455, 0.3473,  
0.5559

29.4767, 0.3436,  
0.5654

30.3464, 0.3503,  
0.5410

30.9313, 0.3511,  
0.5210

31.6088, 0.3497,  
0.4968

32.3849, 0.3464,  
0.4697

33.2651, 0.3414,  
0.4411

■ 34.2545, 0.3353,  
0.4123

■ 35.3575, 0.3284,  
0.3841

■ 36.5786, 0.3211,  
0.3574

■ 37.9217, 0.3138,  
0.3326

# Harmonies

## Analogous

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



29.8455, 0.4488, 0.5042



29.8455, 0.3473, 0.5559



29.8455, 0.2429, 0.5076

# Triad

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



29.8455, 0.3473, 0.5559



29.8455, 0.1297, 0.1829



29.8455, 0.4754, 0.2730

# Complementary

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



29.8455, 0.3473, 0.5559



4.9145, 0.2042, 0.0945

# 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.



29.8455, 0.3533, 0.2127



29.8455, 0.3473, 0.5559



29.8455, 0.1651, 0.1629

# Square

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



29.8455, 0.3473, 0.5559



29.8455, 0.1278, 0.2464



29.8455, 0.2392, 0.1741



29.8455, 0.5413, 0.3441



# Rectangle

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



29.8455, 0.3473, 0.5559



29.8455, 0.1854, 0.4174



29.8455, 0.2392, 0.1741



29.8455, 0.4377, 0.2512

# Sweetspot

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



29.8468, 0.3473, 0.5559



62.9418, 0.3326, 0.4009



14.2439, 0.5346, 0.4038



13.9429, 0.3348, 0.4102



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



29.8468, 0.3473, 0.5559



53.3686, 0.3423, 0.5664



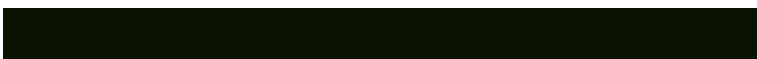
27.4725, 0.3020, 0.5909



8.6018, 0.3195, 0.3518



22.8851, 0.3442, 0.5649



0.5866, 0.3690, 0.5452



# Inverse Universe

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



4.9145, 0.2042, 0.0945



7.6193, 0.1927, 0.0835



10.3809, 0.3095, 0.1514



7.4612, 0.3054, 0.3062



3.3349, 0.1955, 0.0850



0.1117, 0.2349, 0.1067



# Previews

## White Background



This preview shows how the Yxy color 29.8455, 0.3473, 0.5559 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 29.8455, 0.3473, 0.5559 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 29.8455, 0.3473, 0.5559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.8455, 0.3473, 0.5559.



This preview shows how white text looks on a background with the Yxy color 29.8455, 0.3473, 0.5559.

# 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

29.8455, 0.3473, 0.5559

### Protanopia

29.3953, 0.4407, 0.4883

### Deuteranopia

29.3166, 0.4611, 0.4516



## Tritanopia

29.6142, 0.2673, 0.3076

# Trichromacy



## Original Color

29.8455, 0.3473, 0.5559

## Protanomaly

29.2044, 0.4041, 0.5152

## Deuteranomaly

28.4440, 0.4187, 0.4907

## Tritanomaly

28.8526, 0.3069, 0.4137

# Monochromacy



## Original Color

29.8455, 0.3473, 0.5559

## Achromatopsia

21.5861, 0.3127, 0.3290

## Achromatomaly

23.8160, 0.3395, 0.4317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8455, 0.3473, 0.5559 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, 166, 14)` looks like.

```
.text, #text, p{  
    color:rgb(97, 166, 14)  
}
```

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, 166, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 166, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8455, 0.3473, 0.5559 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, 166, 14) }
```

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

```
.border{ border-color:rgb(97, 166, 14) }
```

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

Here you see how a box with a 4 pixel rgb(97, 166, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 166, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 166, 14);  
box-shadow:4px 4px 4px 4px rgb(97, 166,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8455, 0.3473, 0.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 166, 14) }
```

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

```
.background{ background-color: rgb(97, 166,  
14) }
```

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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