

Converting Colors

$Y_{xy}(29.3942, 0.3762, 0.5395)$

Have a look what the booklet for
Yxy(29.3942, 0.3762, 0.5395)
contains.

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Color

Yxy(29.4828, 0.3754, 0.5401)

Conversions

Conversions Part 1

Format	Color
Hex	78A100
RGB	120, 161, 0
RGB Percent	47%, 63%, 0%
CMY	0.5294, 0.3686, 0.9997
CMYK	0.25, 0.00, 1.00, 0.37
HSL	75°, 100%, 32%
HSV	75°, 100%, 63%
XYZ	20.4922, 29.4828, 4.6127
YIQ	130.3870, 27.2450, -58.7630

Conversions

Conversions Part 2

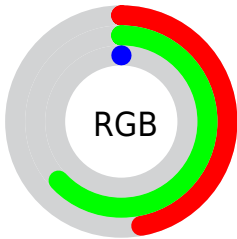
Format	Color
RYB	0, 161, 41
Decimal	7905536
CIELab	61.21, -32.97, 63.39
CIELCh	61, 71.452, 117.476
Yxy	29.4828, 0.3754, 0.5401
Android (android.graphics.Color)	4286095616 (0xFF78A100)
YUV	130.3870, -64.2808, -9.1094
Hunter-Lab	54.2981, -27.6553, 32.9719

Details

The Yxy color **29.4828, 0.3754, 0.5401** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0479, 0.1659, 0.0688**, and the grayscale version is **22.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8229, 0.3705, 0.4992**, and **12.0611, 0.3535, 0.5575** is the 20% darker color. If you saturate the color by 10%, you get **29.4824, 0.3754, 0.5401**, and if you desaturate by 10%, it is **29.8215, 0.3771, 0.5313**.

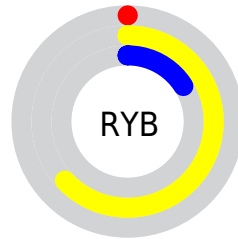
Distribution



Red (47%)

Green (63%)

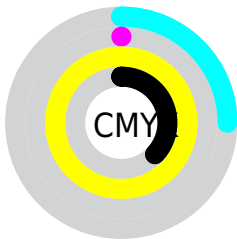
Blue (0%)



Red (0%)

Yellow (63%)

Blue (16%)

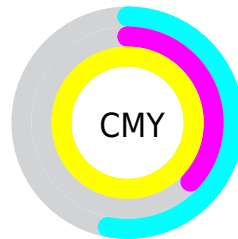


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (53%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4828, 0.3754, 0.5401 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 29.4828, 0.3754, 0.5401 by changing the saturation by 10% instead.


 29.4828, 0.3754,
0.5401


 29.4828, 0.3754,
0.5401


299.4862, 0.3525,
0.4268

 19.4464, 0.3753,
0.5673


 58.8433, 0.3707,
0.4987


 11.9932, 0.3717,
0.6015


 78.9361, 0.3677,
0.4831

 6.7391, 0.3587,
0.6413


 103.1499, 0.3648,
0.4699

 3.2995, 0.3227,
0.6773

 131.8689, 0.3619,
0.4586

 1.2900, 0.2249,
0.7751

 165.4777, 0.3593,
0.4490


 0.1334, 0.0000,
1.0000


 204.3606, 0.3568,


 0.0000, 0.0000,


0.4406


0.0000


 248.9019, 0.3546,
0.4333


 29.4828, 0.3754,
0.5401

 29.4828, 0.3754,
0.5401


 29.4824, 0.3754,
0.5401

 29.8215, 0.3771,
0.5313

 30.2016, 0.3770,
0.5189

 30.6375, 0.3744,
0.5020

 31.1348, 0.3694,
0.4811

 31.6983, 0.3624,
0.4573

■ 32.3322, 0.3537,
0.4316

■ 33.0405, 0.3440,
0.4051

■ 33.8266, 0.3337,
0.3787

■ 34.6939, 0.3231,
0.3531

Harmonies

Analogous

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



29.4828, 0.4686, 0.4793



29.4828, 0.3754, 0.5401



29.4828, 0.2728, 0.5224

Triad

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



29.4828, 0.3754, 0.5401



29.4828, 0.1317, 0.2002



29.4828, 0.4399, 0.2584

Complementary

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



29.4828, 0.3754, 0.5401



3.0479, 0.1659, 0.0688

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.



29.4828, 0.3198, 0.2043



29.4828, 0.3754, 0.5401



29.4828, 0.1573, 0.1703

Square

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



29.4828, 0.3754, 0.5401



29.4828, 0.1393, 0.2763



29.4828, 0.2189, 0.1735



29.4828, 0.5228, 0.3260

Rectangle

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



29.4828, 0.3754, 0.5401



29.4828, 0.2114, 0.4504



29.4828, 0.2189, 0.1735



29.4828, 0.4008, 0.2383

Sweetspot

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



29.4841, 0.3754, 0.5401



59.0903, 0.3446, 0.4068



9.1160, 0.6059, 0.3571



12.8468, 0.3486, 0.4173



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.4841, 0.3754, 0.5401



52.7019, 0.3746, 0.5408



25.9476, 0.3107, 0.5914



8.1460, 0.3224, 0.3515



23.5666, 0.3758, 0.5398



0.5157, 0.3925, 0.5266

Inverse Universe

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



3.0479, 0.1659, 0.0688



5.3724, 0.1644, 0.0679



6.6235, 0.2590, 0.1201



6.9431, 0.3025, 0.3060



2.4489, 0.1665, 0.0691



0.0725, 0.2039, 0.0897

Previews

White Background



This preview shows how the Yxy color 29.4828, 0.3754, 0.5401 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 29.4828, 0.3754, 0.5401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

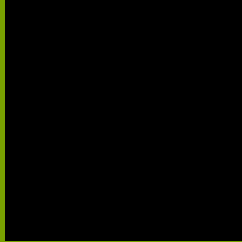
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4828, 0.3754, 0.5401

Background



This preview shows how black text looks on a background with the Yxy color 29.4828, 0.3754, 0.5401.



This preview shows how white text looks on a background with the Yxy color 29.4828, 0.3754, 0.5401.

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

29.4828, 0.3754, 0.5401

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.2890, 0.4633, 0.4544



Tritanopia

29.5722, 0.2873, 0.3099

Trichromacy



Original Color

29.4828, 0.3754, 0.5401

Protanomaly

29.1720, 0.4149, 0.5088

Deuteranomaly

28.9082, 0.4314, 0.4870

Tritanomaly

28.8363, 0.3353, 0.4166

Monochromacy



Original Color

29.4828, 0.3754, 0.5401

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.1099, 0.3541, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4828, 0.3754, 0.5401 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(120, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 0)  
}
```

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(120, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.4828, 0.3754, 0.5401 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(120, 161, 0) }
```

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

```
.border{ border-color:rgb(120, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4828, 0.3754, 0.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 0) }
```

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

```
.background{ background-color: rgb(120,  
161, 0) }
```

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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