

Converting Colors

$Yxy(35.3607, 0.4085, 0.5138)$

Have a look what the booklet for
Yxy(35.3607, 0.4085, 0.5138)
contains.

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Color

Yxy(35.2744, 0.4090, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	9EA800
RGB	158, 168, 0
RGB Percent	62%, 66%, 0%
CMY	0.3805, 0.3411, 0.9994
CMYK	0.06, 0.00, 1.00, 0.34
HSL	64°, 100%, 33%
HSV	64°, 100%, 66%
XYZ	28.1013, 35.2744, 5.3317
YIQ	145.8580, 47.9680, -54.3680

Conversions

Conversions Part 2

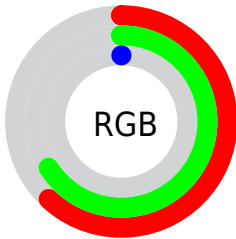
Format	Color
RYB	0, 168, 10
Decimal	10397696
CIELab	65.96, -20.19, 68.14
CIELCh	66, 71.072, 106.504
Yxy	35.2744, 0.4090, 0.5134
Android (android.graphics.Color)	4288587776 (0xFF9EA800)
YUV	145.8580, -71.9080, 10.6485
Hunter-Lab	59.3923, -19.4795, 36.2521

Details

The Yxy color **35.2744, 0.4090, 0.5134** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8967, 0.1521, 0.0612**, and the grayscale version is **28.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8961, 0.3975, 0.4819**, and **15.3156, 0.3991, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **35.2747, 0.4090, 0.5134**, and if you desaturate by 10%, it is **35.4182, 0.4075, 0.5082**.

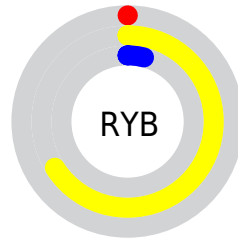
Distribution



Red (62%)

Green (66%)

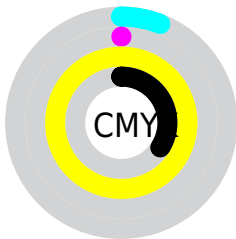
Blue (0%)



Red (0%)

Yellow (66%)

Blue (4%)

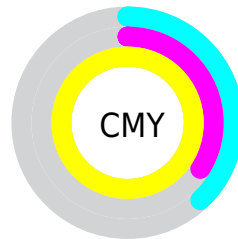


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (38%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2744, 0.4090, 0.5134 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 35.2744, 0.4090, 0.5134 by changing the saturation by 10% instead.


 35.2744, 0.4090,
0.5134


 35.2744, 0.4090,
0.5134


325.7779, 0.3688,
0.4215

 23.8743, 0.4139,
0.5329


 67.9106, 0.3977,
0.4818


 15.2404, 0.4167,
0.5550


 89.9156, 0.3924,
0.4693


 8.9883, 0.4172,
0.5828


 116.2243, 0.3874,
0.4584


 4.7335, 0.3999,
0.6001

 147.2211, 0.3829,
0.4490

 2.0918, 0.3714,
0.6286

 183.2905, 0.3789,
0.4408

 0.6600, 0.1692,
0.8308

 224.8168, 0.3752,

 0.0000, 0.0000,

0.4336

0.0000

272.1845, 0.3718,
0.4272

35.2744, 0.4090,
0.5134

35.2744, 0.4090,
0.5134

35.2747, 0.4090,
0.5134

35.4182, 0.4075,
0.5082

35.5950, 0.4041,
0.4997

35.8199, 0.3982,
0.4869

36.0990, 0.3898,
0.4701

36.4376, 0.3793,
0.4499

■ 36.8402, 0.3671,
0.4271

■ 37.3109, 0.3539,
0.4028

■ 37.8536, 0.3401,
0.3778

■ 38.4718, 0.3262,
0.3529

Harmonies

Analogous

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



35.2744, 0.4878, 0.4472



35.2744, 0.4090, 0.5134



35.2744, 0.3122, 0.5273

Triad

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



35.2744, 0.4090, 0.5134



35.2744, 0.1389, 0.2285



35.2744, 0.3921, 0.2413

Complementary

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



35.2744, 0.4090, 0.5134



2.8967, 0.1521, 0.0612

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.



35.2744, 0.2812, 0.1966



35.2744, 0.4090, 0.5134



35.2744, 0.1519, 0.1846

Square

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



35.2744, 0.4090, 0.5134



35.2744, 0.1599, 0.3200



35.2744, 0.1981, 0.1764



35.2744, 0.4890, 0.3031

Rectangle

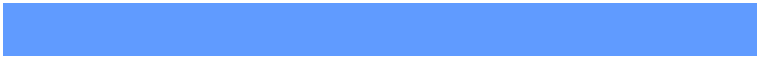
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.2744, 0.4090, 0.5134



35.2744, 0.2488, 0.4827



35.2744, 0.1981, 0.1764



35.2744, 0.3539, 0.2240

Sweetspot

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



35.2760, 0.4090, 0.5134



67.6397, 0.3547, 0.4044



8.5118, 0.6358, 0.3332



14.6648, 0.3602, 0.4143



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.



35.2760, 0.4090, 0.5134



63.9702, 0.4088, 0.5136



29.5326, 0.3306, 0.5756



8.7507, 0.3253, 0.3514



26.6431, 0.4091, 0.5134



0.6548, 0.4127, 0.5105

Inverse Universe

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



2.8967, 0.1521, 0.0612



5.2166, 0.1515, 0.0608



5.1309, 0.2132, 0.0948



7.3211, 0.2995, 0.3057



2.1920, 0.1524, 0.0613



0.0598, 0.1631, 0.0672

Previews

White Background



This preview shows how the Yxy color 35.2744, 0.4090, 0.5134 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 35.2744, 0.4090, 0.5134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

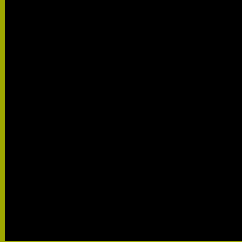
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2744, 0.4090, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 35.2744, 0.4090, 0.5134.



This preview shows how white text looks on a background with the Yxy color 35.2744, 0.4090, 0.5134.

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

35.2744, 0.4090, 0.5134

Protanopia

35.3135, 0.4401, 0.4887

Deuteranopia

35.0922, 0.4659, 0.4569



Tritanopia

35.1501, 0.3155, 0.3121

Trichromacy



Original Color

35.2744, 0.4090, 0.5134

Protanomaly

35.4352, 0.4286, 0.4979

Deuteranomaly

34.9333, 0.4459, 0.4781

Tritanomaly

34.3101, 0.3678, 0.4077

Monochromacy



Original Color

35.2744, 0.4090, 0.5134

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.3855, 0.3660, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2744, 0.4090, 0.5134 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(158, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 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(158, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.2744, 0.4090, 0.5134 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(158, 168, 0) }
```

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

```
.border{ border-color:rgb(158, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2744, 0.4090, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 0) }
```

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

```
.background{ background-color: rgb(158,  
168, 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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