

Converting Colors

$Yxy(35.7417, 0.3048, 0.5403)$

Have a look what the booklet for
Yxy(35.7417, 0.3048, 0.5403)
contains.

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Color

Yxy(35.7417, 0.3048, 0.5403)

Conversions

Conversions Part 1

Format	Color
Hex	41B83D
RGB	65, 184, 61
RGB Percent	25%, 72%, 24%
CMY	0.7450, 0.2784, 0.7609
CMYK	0.65, 0.00, 0.67, 0.28
HSL	118°, 50%, 48%
HSV	118°, 67%, 72%
XYZ	20.1630, 35.7417, 10.2469
YIQ	134.3970, -31.4410, -63.4810

Conversions

Conversions Part 2

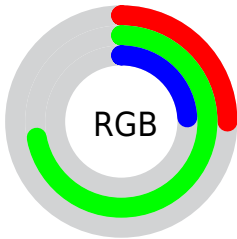
Format	Color
RYB	61, 184, 180
Decimal	4307005
CIELab	66.32, -56.64, 50.96
CIELCh	66, 76.189, 138.018
Yxy	35.7417, 0.3048, 0.5403
Android (android.graphics.Color)	4282497085 (0xFF41B83D)
YUV	134.3970, -36.1847, -60.8612
Hunter-Lab	59.7844, -44.4213, 31.6869

Details

The Yxy color **35.7417, 0.3048, 0.5403** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.4940, 0.3145, 0.1781**, and the grayscale version is **24.1401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6375, 0.3116, 0.4946**, and **15.9653, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.0631, 0.3032, 0.5670**, and if you desaturate by 10%, it is **36.6826, 0.3064, 0.5082**.

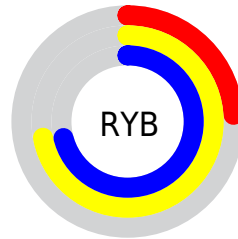
Distribution



Red (25%)

Green (72%)

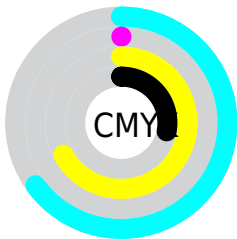
Blue (24%)



Red (24%)

Yellow (72%)

Blue (71%)

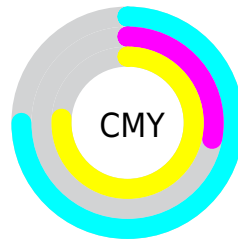


Cyan (65%)

Magenta (0%)

Yellow (67%)

Black (28%)



Cyan (75%)


Magenta (28%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7417, 0.3048, 0.5403 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 35.7417, 0.3048, 0.5403 by changing the saturation by 10% instead.


 35.7417, 0.3048,
0.5403


 35.7417, 0.3048,
0.5403


327.8302, 0.3163,
0.4222

 24.2348, 0.2983,
0.5728


 68.6332, 0.3114,
0.4948

 15.5079, 0.2874,
0.6153


 90.7866, 0.3131,
0.4785


 9.1766, 0.2683,
0.6720


 117.2575, 0.3143,
0.4649

 4.8565, 0.2376,
0.7624

 148.4305, 0.3150,
0.4536

 2.1633, 0.1340,
0.8660

 184.6898, 0.3156,
0.4440

 0.6999, 0.0000,
1.0000

226.4200, 0.3159,

 0.0000, 0.0000,

0.4357

0.0000

274.0053, 0.3162,
0.4285

■ 35.7417, 0.3048,
0.5403

■ 35.7417, 0.3048,
0.5403

■ 35.0631, 0.3032,
0.5670

■ 36.6826, 0.3064,
0.5082

■ 34.6163, 0.3018,
0.5861

■ 37.9039, 0.3079,
0.4733

■ 34.3703, 0.3008,
0.5969

■ 39.4271, 0.3093,
0.4382

■ 34.3211, 0.3007,
0.5994

■ 41.2705, 0.3105,
0.4046

■ 43.4508, 0.3115,
0.3737

■ 45.9838, 0.3123,
0.3460

■ 48.8841, 0.3129,
0.3217

■ 52.1654, 0.3134,
0.3006

■ 55.8410, 0.3138,
0.2824

Harmonies

Analogous

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



35.7417, 0.4068, 0.5260



35.7417, 0.3048, 0.5403



35.7417, 0.2099, 0.4479

Triad

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



35.7417, 0.3048, 0.5403



35.7417, 0.1457, 0.1757



35.7417, 0.5043, 0.3038

Complementary

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



35.7417, 0.3048, 0.5403



16.4940, 0.3145, 0.1781

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.



35.7417, 0.4030, 0.2393



35.7417, 0.3048, 0.5403



35.7417, 0.1952, 0.1693

Square

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



35.7417, 0.3048, 0.5403



35.7417, 0.1304, 0.2184



35.7417, 0.2842, 0.1917



35.7417, 0.5349, 0.3762

Rectangle

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



35.7417, 0.3048, 0.5403



35.7417, 0.1648, 0.3551



35.7417, 0.2842, 0.1917



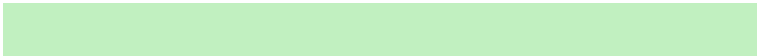
35.7417, 0.4765, 0.2811

Sweetspot

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



35.7432, 0.3048, 0.5403



77.3204, 0.3111, 0.3841



43.1302, 0.4064, 0.4748



16.4306, 0.3109, 0.3927



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.7432, 0.3048, 0.5403



63.1476, 0.3026, 0.5766



36.5906, 0.2723, 0.4457



10.0738, 0.3121, 0.3526



23.6592, 0.3009, 0.5993



0.8388, 0.3044, 0.5965

Inverse Universe

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



16.4940, 0.3145, 0.1781



25.7731, 0.3140, 0.1603



15.0471, 0.4084, 0.2435



9.1473, 0.3133, 0.3064



8.9107, 0.3128, 0.1497



0.3188, 0.3151, 0.1509

Previews

White Background



This preview shows how the Yxy color 35.7417, 0.3048, 0.5403 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 35.7417, 0.3048, 0.5403 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 35.7417, 0.3048, 0.5403

Background



This preview shows how black text looks on a background with the Yxy color 35.7417, 0.3048, 0.5403.



This preview shows how white text looks on a background with the Yxy color 35.7417, 0.3048, 0.5403.

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

35.7417, 0.3048, 0.5403

Protanopia

34.9917, 0.4222, 0.4642

Deuteranopia

34.9172, 0.4380, 0.4290



Tritanopia

35.5370, 0.2456, 0.3069

Trichromacy



Original Color

35.7417, 0.3048, 0.5403



Protanomaly

34.0746, 0.3704, 0.4968



Deuteranomaly

33.4402, 0.3802, 0.4733



Tritanomaly

34.9051, 0.2686, 0.3893

Monochromacy



Original Color

35.7417, 0.3048, 0.5403



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.7692, 0.3107, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7417, 0.3048, 0.5403 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(65, 184, 61)` looks like.

```
.text, #text, p{  
    color:rgb(65, 184, 61)  
}
```

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(65, 184, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 184, 61) }
```

Border

The CSS property to change the border of an element to Yxy 35.7417, 0.3048, 0.5403 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(65, 184, 61) }
```

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

```
.border{ border-color:rgb(65, 184, 61) }
```

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

Here you see how a box with a 4 pixel rgb(65, 184, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 184, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 184, 61);  
box-shadow:4px 4px 4px 4px rgb(65, 184,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7417, 0.3048, 0.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 184, 61) }
```

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

```
.background{ background-color: rgb(65, 184,  
61) }
```

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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