

Converting Colors

$Y_{xy}(13.2135, 0.3535, 0.5192)$

Have a look what the booklet for
Yxy(13.2135, 0.3535, 0.5192)
contains.

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Color

Yxy(13.2135, 0.3535, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	4C701D
RGB	76, 112, 29
RGB Percent	30%, 44%, 11%
CMY	0.7020, 0.5608, 0.8862
CMYK	0.32, 0.00, 0.74, 0.56
HSL	86°, 59%, 28%
HSV	86°, 74%, 44%
XYZ	8.9965, 13.2135, 3.2398
YIQ	91.7740, 5.1870, -33.4450

Conversions

Conversions Part 2

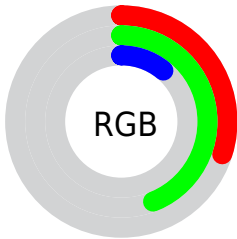
Format	Color
R_{YB}	29, 112, 65
Decimal	5009437
CIE _{Lab}	43.08, -26.80, 39.89
CIE _{LCh}	43, 48.060, 123.895
Yxy	13.2135, 0.3535, 0.5192
Android (android.graphics.Color)	4283199517 (0xFF4C701D)
YUV	91.7740, -30.9476, -13.8338
Hunter-Lab	36.3504, -19.4356, 20.1610

Details

The Yxy color **13.2135, 0.3535, 0.5192** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.1742, 0.2276, 0.1302**, and the grayscale version is **10.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7046, 0.3491, 0.4692**, and **3.8998, 0.3352, 0.5720** is the 20% darker color. If you saturate the color by 10%, you get **12.9768, 0.3530, 0.5383**, and if you desaturate by 10%, it is **13.4866, 0.3519, 0.4963**.

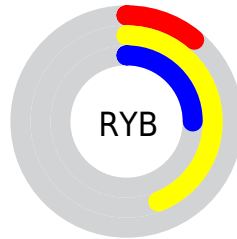
Distribution



Red (30%)

Green (44%)

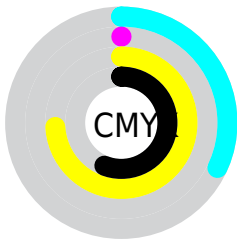
Blue (11%)



Red (11%)

Yellow (44%)

Blue (25%)

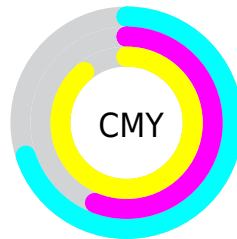


Cyan (32%)

Magenta (0%)

Yellow (74%)

Black (56%)



Cyan (70%)


Magenta (56%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2135, 0.3535, 0.5192 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 13.2135, 0.3535, 0.5192 by changing the saturation by 10% instead.


 13.2135, 0.3535,
0.5192


 13.2135, 0.3535,
0.5192


212.2815, 0.3355,
0.4011


 7.5757, 0.3529,
0.5574


 31.6868, 0.3492,
0.4697


 3.8247, 0.3611,
0.6389

 45.2911, 0.3467,
0.4532


 1.5760, 0.3143,
0.6857

 62.3198, 0.3443,
0.4400

 0.3413, 0.0000,
1.0000

 83.1571, 0.3421,
0.4293


 0.0000, 0.0000,
0.0000


 108.1876, 0.3402,
0.4204

 137.7955, 0.3385,


0.4129


 172.3654, 0.3369,
0.4066


 13.2135, 0.3535,
0.5192


 13.2135, 0.3535,
0.5192


 12.9768, 0.3530,
0.5383


 13.4866, 0.3519,
0.4963


 12.7713, 0.3505,
0.5530

 13.7966, 0.3484,
0.4706

 12.6591, 0.3489,
0.5612

 14.1462, 0.3434,
0.4435

 14.5372, 0.3372,
0.4158

 14.9713, 0.3304,
0.3887

■ 15.4501, 0.3231,
0.3628

■ 15.9752, 0.3157,
0.3384

■ 16.5480, 0.3084,
0.3159

■ 17.1698, 0.3014,
0.2953

Harmonies

Analogous

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



13.2135, 0.4405, 0.4817



13.2135, 0.3535, 0.5192



13.2135, 0.2610, 0.4793

Triad

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



13.2135, 0.3535, 0.5192



13.2135, 0.1503, 0.2051



13.2135, 0.4452, 0.2792

Complementary

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



13.2135, 0.3535, 0.5192



3.1742, 0.2276, 0.1302

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.



13.2135, 0.3426, 0.2253



13.2135, 0.3535, 0.5192



13.2135, 0.1812, 0.1834

Square

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



13.2135, 0.3535, 0.5192



13.2135, 0.1515, 0.2657



13.2135, 0.2459, 0.1917



13.2135, 0.5060, 0.3441

Rectangle

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



13.2135, 0.3535, 0.5192



13.2135, 0.2086, 0.4094



13.2135, 0.2459, 0.1917



13.2135, 0.4132, 0.2595

Sweetspot

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



13.2141, 0.3535, 0.5192



26.4220, 0.3293, 0.3847



7.3118, 0.4827, 0.4014



6.3088, 0.3307, 0.3901



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.2141, 0.3535, 0.5192



22.5302, 0.3514, 0.5492



12.0272, 0.3063, 0.5503



3.8477, 0.3193, 0.3502



14.6205, 0.3484, 0.5615



72.3140, 0.3449, 0.5644

Inverse Universe

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



3.1742, 0.2276, 0.1302



3.8075, 0.2049, 0.0975



5.1426, 0.3087, 0.1695



3.3647, 0.3057, 0.3077



2.0825, 0.1938, 0.0841



9.8826, 0.1884, 0.0811

Previews

White Background



This preview shows how the Yxy color 13.2135, 0.3535, 0.5192 looks on a white 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

Black Background



This preview shows how the Yxy color 13.2135, 0.3535, 0.5192 looks on a black 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

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

Yxy 13.2135, 0.3535, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 13.2135, 0.3535, 0.5192.



This preview shows how white text looks on a background with the Yxy color 13.2135, 0.3535, 0.5192.

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

13.2135, 0.3535, 0.5192

Protanopia

13.1547, 0.4254, 0.4711

Deuteranopia

12.9991, 0.4467, 0.4386



Tritanopia

13.1191, 0.2790, 0.3086

Trichromacy



Original Color

13.2135, 0.3535, 0.5192

Protanomaly

13.0965, 0.3971, 0.4903

Deuteranomaly

12.8007, 0.4102, 0.4684

Tritanomaly

12.9636, 0.3112, 0.3899

Monochromacy



Original Color

13.2135, 0.3535, 0.5192

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3318, 0.3344, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2135, 0.3535, 0.5192 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(76, 112, 29)` looks like.

```
.text, #text, p{  
    color:rgb(76, 112, 29)  
}
```

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(76, 112, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 112, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.2135, 0.3535, 0.5192 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(76, 112, 29) }
```

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

```
.border{ border-color:rgb(76, 112, 29) }
```

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

Here you see how a box with a 4 pixel rgb(76, 112, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 112, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 112, 29);  
box-shadow:4px 4px 4px 4px rgb(76, 112,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2135, 0.3535, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 112, 29) }
```

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

```
.background{ background-color: rgb(76, 112,  
29) }
```

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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