

Converting Colors

$Y_{xy}(13.5652, 0.3524, 0.5211)$

Have a look what the booklet for
Yxy(13.5652, 0.3524, 0.5211)
contains.

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Color

Yxy(13.6598, 0.3520, 0.5215)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 4C721D |
| RGB | 76, 114, 29 |
| RGB Percent | 30%, 45%, 11% |
| CMY | 0.7019, 0.5529, 0.8862 |
| CMYK | 0.33, 0.00, 0.75, 0.55 |
| HSL | 87°, 59%, 28% |
| HSV | 87°, 75%, 45% |
| XYZ | 9.2200, 13.6598, 3.3135 |
| YIQ | 92.9480, 4.6370, -34.4910 |

Conversions

Conversions Part 2

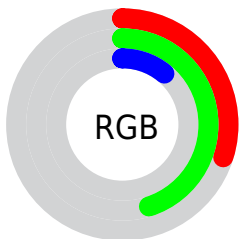
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 29, 114, 67 |
| Decimal | 5009949 |
| CIE _{Lab} | 43.74, -27.77, 40.56 |
| CIE _{LCh} | 44, 49.154, 124.393 |
| Yxy | 13.6598, 0.3520, 0.5215 |
| Android (android.graphics.Color) | 4283200029 (0xFF4C721D) |
| YUV | 92.9480, -31.5264, -14.8634 |
| Hunter-Lab | 36.9592, -20.1489, 20.5560 |

Details

The Yxy color **13.6598, 0.3520, 0.5215** is a dark color, and the websafe version is hex **336600**, and the color name is **green cola**. A complement of this color would be **3.2875, 0.2287, 0.1298**, and the grayscale version is **11.0085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4261, 0.3483, 0.4715**, and **4.0136, 0.3343, 0.5728** is the 20% darker color. If you saturate the color by 10%, you get **13.4135, 0.3512, 0.5406**, and if you desaturate by 10%, it is **13.9448, 0.3507, 0.4985**.

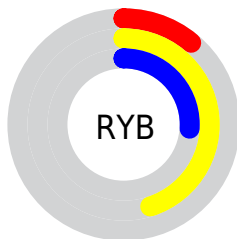
Distribution



Red (30%)

Green (45%)

Blue (11%)



Red (11%)

Yellow (45%)

Blue (26%)

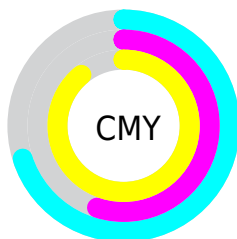


Cyan (33%)

Magenta (0%)

Yellow (75%)

Black (55%)



Cyan (70%)


Magenta (55%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6598, 0.3520, 0.5215 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 13.6598, 0.3520, 0.5215 by changing the saturation by 10% instead.


 13.6598, 0.3520,
0.5215


 13.6598, 0.3520,
0.5215


215.1040, 0.3352,
0.4024


 7.8844, 0.3510,
0.5598


 32.4842, 0.3483,
0.4718

 4.0211, 0.3571,
0.6387

 46.3020, 0.3459,
0.4551


 1.6854, 0.3131,
0.6869

 63.5693, 0.3437,
0.4417

 0.4142, 0.0000,
1.0000

 84.6707, 0.3416,
0.4309


 0.0000, 0.0000,
0.0000


 109.9905, 0.3397,
0.4219


 139.9130, 0.3381,


0.4144


 174.8227, 0.3366,
0.4079


 13.6598, 0.3520,
0.5215


 13.6598, 0.3520,
0.5215


 13.4135, 0.3512,
0.5406


 13.9448, 0.3507,
0.4985


 13.2003, 0.3485,
0.5552

 14.2690, 0.3475,
0.4727

 13.0929, 0.3469,
0.5628

 14.6353, 0.3427,
0.4453

 15.0456, 0.3369,
0.4175

 15.5019, 0.3302,
0.3902

■ 16.0057, 0.3232,
0.3641

■ 16.5587, 0.3160,
0.3396

■ 17.1625, 0.3089,
0.3169

■ 17.8184, 0.3020,
0.2962

Harmonies

Analogous

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



13.6598, 0.4401, 0.4840



13.6598, 0.3520, 0.5215



13.6598, 0.2588, 0.4799

Triad

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



13.6598, 0.3520, 0.5215



13.6598, 0.1492, 0.2032



13.6598, 0.4482, 0.2796

Complementary

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



13.6598, 0.3520, 0.5215



3.2875, 0.2287, 0.1298

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.



13.6598, 0.3446, 0.2251



13.6598, 0.3520, 0.5215



13.6598, 0.1807, 0.1821

Square

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



13.6598, 0.3520, 0.5215



13.6598, 0.1497, 0.2634



13.6598, 0.2466, 0.1908



13.6598, 0.5086, 0.3450

Rectangle

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



13.6598, 0.3520, 0.5215



13.6598, 0.2063, 0.4084



13.6598, 0.2466, 0.1908



13.6598, 0.4160, 0.2597

Sweetspot

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



13.6604, 0.3520, 0.5215



27.4101, 0.3288, 0.3849



7.5439, 0.4845, 0.4016



6.3000, 0.3302, 0.3902



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.



13.6604, 0.3520, 0.5215



23.3133, 0.3495, 0.5508



12.4753, 0.3062, 0.5519



3.8456, 0.3192, 0.3502



14.5647, 0.3465, 0.5631



72.0353, 0.3429, 0.5659

Inverse Universe

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



3.2875, 0.2287, 0.1298



4.0139, 0.2070, 0.0985



5.3033, 0.3086, 0.1687



3.3667, 0.3058, 0.3077



2.1250, 0.1961, 0.0854



10.0889, 0.1907, 0.0824

Previews

White Background



This preview shows how the Yxy color 13.6598, 0.3520, 0.5215 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 13.6598, 0.3520, 0.5215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

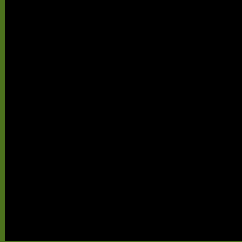
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6598, 0.3520, 0.5215

Background



This preview shows how black text looks on a background with the Yxy color 13.6598, 0.3520, 0.5215.



This preview shows how white text looks on a background with the Yxy color 13.6598, 0.3520, 0.5215.

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

13.6598, 0.3520, 0.5215

Protanopia

13.4881, 0.4270, 0.4706

Deuteranopia

13.5299, 0.4457, 0.4389



Tritanopia

13.5721, 0.2771, 0.3088

Trichromacy



Original Color

13.6598, 0.3520, 0.5215

Protanomaly

13.3612, 0.3975, 0.4907

Deuteranomaly

13.3254, 0.4107, 0.4696

Tritanomaly

13.4164, 0.3086, 0.3892

Monochromacy



Original Color

13.6598, 0.3520, 0.5215

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.7758, 0.3339, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6598, 0.3520, 0.5215 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, 114, 29)` looks like.

```
.text, #text, p{  
    color:rgb(76, 114, 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, 114, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 114, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.6598, 0.3520, 0.5215 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, 114, 29) }
```

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

```
.border{ border-color:rgb(76, 114, 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, 114, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 114, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 114, 29);  
box-shadow:4px 4px 4px 4px rgb(76, 114,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6598, 0.3520, 0.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 114, 29) }
```

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

```
.background{ background-color: rgb(76, 114,  
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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