

Converting Colors

$Y_{xy}(21.3093, 0.3704, 0.5166)$

Have a look what the booklet for
Yxy(21.3093, 0.3704, 0.5166)
contains.

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Color

Yxy(21.3454, 0.3701, 0.5166)

Conversions

Conversions Part 1

Format	Color
Hex	6A8A20
RGB	106, 138, 32
RGB Percent	42%, 54%, 13%
CMY	0.5844, 0.4588, 0.8744
CMYK	0.23, 0.00, 0.77, 0.46
HSL	78°, 62%, 33%
HSV	78°, 77%, 54%
XYZ	15.2922, 21.3454, 4.6814
YIQ	116.3480, 14.9540, -39.7500

Conversions

Conversions Part 2

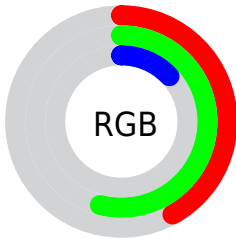
Format	Color
RYB	32, 138, 64
Decimal	6982176
CIELab	53.33, -26.87, 49.46
CIELCh	53, 56.290, 118.515
Yxy	21.3454, 0.3701, 0.5166
Android (android.graphics.Color)	4285172256 (0xFF6A8A20)
YUV	116.3480, -41.5836, -9.0752
Hunter-Lab	46.2011, -21.7699, 26.3330

Details

The Yxy color **21.3454, 0.3701, 0.5166** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.9601, 0.2028, 0.1112**, and the grayscale version is **17.7047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8287, 0.3629, 0.4753**, and **7.7637, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **21.0371, 0.3705, 0.5317**, and if you desaturate by 10%, it is **21.6994, 0.3673, 0.4973**.

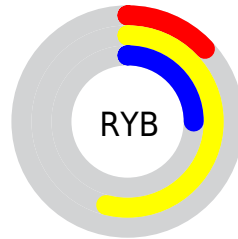
Distribution



Red (42%)

Green (54%)

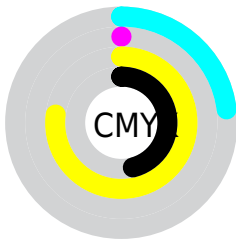
Blue (13%)



Red (13%)

Yellow (54%)

Blue (25%)

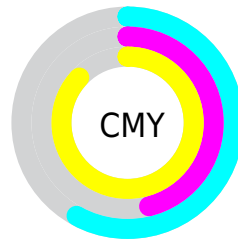


Cyan (23%)

Magenta (0%)

Yellow (77%)

Black (46%)



Cyan (58%)


Magenta (46%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3454, 0.3701, 0.5166 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 21.3454, 0.3701, 0.5166 by changing the saturation by 10% instead.


 21.3454, 0.3701,
0.5166


 21.3454, 0.3701,
0.5166


259.1084, 0.3451,
0.4093


 13.3767, 0.3720,
0.5461


 45.6617, 0.3633,
0.4749


 7.6885, 0.3714,
0.5860


 62.7780, 0.3599,
0.4600

 3.8963, 0.3616,
0.6384

 83.7124, 0.3568,
0.4476

 1.6157, 0.3159,
0.6841

 108.8492, 0.3539,
0.4374

 0.3681, 0.0000,
1.0000

 138.5728, 0.3513,
0.4287

 0.0000, 0.0000,
0.0000

 173.2676, 0.3490,

0.4213

213.3181, 0.3470,
0.4149

■ 21.3454, 0.3701,
0.5166

■ 21.3454, 0.3701,
0.5166

■ 21.0371, 0.3705,
0.5317

■ 21.6994, 0.3673,
0.4973

■ 20.7655, 0.3688,
0.5426

■ 22.1000, 0.3624,
0.4745

■ 20.6825, 0.3681,
0.5459

■ 22.5514, 0.3556,
0.4494

■ 23.0564, 0.3474,
0.4230

■ 23.6177, 0.3384,
0.3963

■ 24.2376, 0.3289,
0.3702

■ 24.9185, 0.3192,
0.3452

■ 25.6624, 0.3097,
0.3217

■ 26.4714, 0.3005,
0.2999

Harmonies

Analogous

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



21.3454, 0.4537, 0.4704



21.3454, 0.3701, 0.5166



21.3454, 0.2770, 0.4929

Triad

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



21.3454, 0.3701, 0.5166



21.3454, 0.1484, 0.2130



21.3454, 0.4283, 0.2685

Complementary

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



21.3454, 0.3701, 0.5166



3.9601, 0.2028, 0.1112

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.



21.3454, 0.3236, 0.2178



21.3454, 0.3701, 0.5166



21.3454, 0.1734, 0.1852

Square

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



21.3454, 0.3701, 0.5166



21.3454, 0.1554, 0.2815



21.3454, 0.2319, 0.1884



21.3454, 0.4996, 0.3320

Rectangle

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



21.3454, 0.3701, 0.5166



21.3454, 0.2216, 0.4300



21.3454, 0.2319, 0.1884



21.3454, 0.3945, 0.2497

Sweetspot

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



21.3464, 0.3701, 0.5166



41.9767, 0.3353, 0.3875



9.1538, 0.5194, 0.3784



9.3400, 0.3382, 0.3959



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.3464, 0.3701, 0.5166



36.7313, 0.3694, 0.5397



19.0456, 0.3153, 0.5545



5.7704, 0.3215, 0.3509



18.9692, 0.3683, 0.5458



0.1337, 0.3931, 0.5260

Inverse Universe

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



3.9601, 0.2028, 0.1112



4.6424, 0.1794, 0.0804



6.6376, 0.2839, 0.1518



4.9607, 0.3034, 0.3067



2.1347, 0.1729, 0.0726



0.0211, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 21.3454, 0.3701, 0.5166 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 21.3454, 0.3701, 0.5166 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 21.3454, 0.3701, 0.5166

Background



This preview shows how black text looks on a background with the Yxy color 21.3454, 0.3701, 0.5166.



This preview shows how white text looks on a background with the Yxy color 21.3454, 0.3701, 0.5166.

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

21.3454, 0.3701, 0.5166

Protanopia

21.1071, 0.4303, 0.4746

Deuteranopia

21.1989, 0.4513, 0.4446



Tritanopia

21.4161, 0.2900, 0.3108

Trichromacy



Original Color

21.3454, 0.3701, 0.5166

Protanomaly

21.0722, 0.4083, 0.4901

Deuteranomaly

20.8878, 0.4218, 0.4702

Tritanomaly

21.0000, 0.3258, 0.3912

Monochromacy



Original Color

21.3454, 0.3701, 0.5166

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.5159, 0.3421, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3454, 0.3701, 0.5166 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(106, 138, 32)` looks like.

```
.text, #text, p{  
    color:rgb(106, 138, 32)  
}
```

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(106, 138, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 138, 32) }
```

Border

The CSS property to change the border of an element to Yxy 21.3454, 0.3701, 0.5166 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(106, 138, 32) }
```

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

```
.border{ border-color:rgb(106, 138, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 138, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 138, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 138, 32);  
box-shadow:4px 4px 4px 4px rgb(106, 138,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3454, 0.3701, 0.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 138, 32) }
```

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

```
.background{ background-color: rgb(106,  
138, 32) }
```

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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