

Converting Colors

$Y_{xy}(35.3428, 0.3504, 0.5441)$

Have a look what the booklet for
Yxy(35.3428, 0.3504, 0.5441)
contains.

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Color

Yxy(35.3140, 0.3501, 0.5444)

Conversions

Conversions Part 1

Format	Color
Hex	6FB21E
RGB	111, 178, 30
RGB Percent	44%, 70%, 12%
CMY	0.5647, 0.3019, 0.8826
CMYK	0.38, 0.00, 0.83, 0.30
HSL	87°, 71%, 41%
HSV	87°, 83%, 70%
XYZ	22.7102, 35.3140, 6.8435
YIQ	141.0950, 7.5760, -60.2320

Conversions

Conversions Part 2

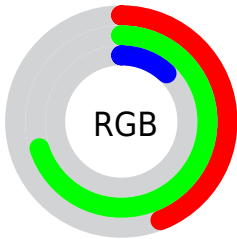
Format	Color
RYB	30, 178, 97
Decimal	7320094
CIELab	65.99, -43.15, 61.85
CIELCh	66, 75.413, 124.904
Yxy	35.3140, 0.3501, 0.5444
Android (android.graphics.Color)	4285510174 (0xFF6FB21E)
YUV	141.0950, -54.7698, -26.3933
Hunter-Lab	59.4256, -35.7789, 34.7700

Details

The Yxy color **35.3140, 0.3501, 0.5444** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6787, 0.2137, 0.1063**, and the grayscale version is **26.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8917, 0.3501, 0.5017**, and **15.4515, 0.3301, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **34.7498, 0.3466, 0.5582**, and if you desaturate by 10%, it is **35.9797, 0.3514, 0.5253**.

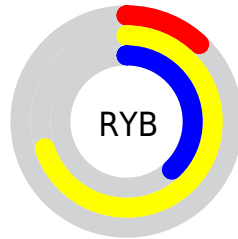
Distribution



Red (44%)

Green (70%)

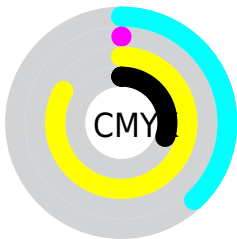
Blue (12%)



Red (12%)

Yellow (70%)

Blue (38%)

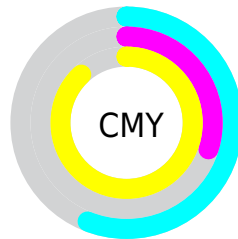


Cyan (38%)

Magenta (0%)

Yellow (83%)

Black (30%)



Cyan (56%)


Magenta (30%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3140, 0.3501, 0.5444 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 35.3140, 0.3501, 0.5444 by changing the saturation by 10% instead.


 35.3140, 0.3501,
0.5444


 35.3140, 0.3501,
0.5444


 325.9521, 0.3402,
0.4285


 23.9049, 0.3478,
0.5734


 67.9719, 0.3497,
0.5015

 15.2631, 0.3413,
0.6091


 89.9895, 0.3485,
0.4855


 9.0042, 0.3331,
0.6658


 116.3120, 0.3471,
0.4721

 4.7439, 0.2957,
0.7043

 147.3238, 0.3456,
0.4607

 2.0978, 0.2308,
0.7692

 183.4093, 0.3442,
0.4509

 0.6634, 0.0000,
1.0000

 224.9530, 0.3428,

 0.0000, 0.0000,

0.4424

0.0000

272.3391, 0.3415,
0.4350

■ 35.3140, 0.3501,
0.5444

■ 35.3140, 0.3501,
0.5444

■ 34.7498, 0.3466,
0.5582

■ 35.9797, 0.3514,
0.5253

■ 34.4086, 0.3435,
0.5655

■ 36.7511, 0.3504,
0.5018

■ 37.6372, 0.3473,
0.4751

■ 38.6445, 0.3426,
0.4466

■ 39.7790, 0.3366,
0.4176

■ 41.0464, 0.3297,
0.3891

■ 42.4517, 0.3225,
0.3620

■ 43.9998, 0.3151,
0.3366

■ 45.6952, 0.3078,
0.3133

Harmonies

Analogous

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



35.3140, 0.4472, 0.4972



35.3140, 0.3501, 0.5444



35.3140, 0.2491, 0.4991

Triad

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



35.3140, 0.3501, 0.5444



35.3140, 0.1358, 0.1899



35.3140, 0.4654, 0.2746

Complementary

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



35.3140, 0.3501, 0.5444



6.6787, 0.2137, 0.1063

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.



35.3140, 0.3493, 0.2163



35.3140, 0.3501, 0.5444



35.3140, 0.1697, 0.1691

Square

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



35.3140, 0.3501, 0.5444



35.3140, 0.1349, 0.2528



35.3140, 0.2408, 0.1793



35.3140, 0.5304, 0.3440

Rectangle

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



35.3140, 0.3501, 0.5444



35.3140, 0.1929, 0.4157



35.3140, 0.2408, 0.1793



35.3140, 0.4295, 0.2535

Sweetspot

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



35.3155, 0.3501, 0.5444



73.8918, 0.3313, 0.3954



18.0294, 0.5146, 0.4064



16.1919, 0.3337, 0.4053



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.3155, 0.3501, 0.5444



62.2568, 0.3423, 0.5664



32.3355, 0.3032, 0.5791



9.7116, 0.3196, 0.3520



24.6565, 0.3442, 0.5649



0.8099, 0.3649, 0.5484

Inverse Universe

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



6.6787, 0.2137, 0.1063



8.8327, 0.1920, 0.0831



12.7535, 0.3104, 0.1570



8.4122, 0.3053, 0.3060



3.5737, 0.1949, 0.0847



0.1472, 0.2276, 0.1028

Previews

White Background



This preview shows how the Yxy color 35.3140, 0.3501, 0.5444 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 35.3140, 0.3501, 0.5444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

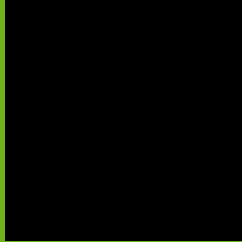
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3140, 0.3501, 0.5444

Background



This preview shows how black text looks on a background with the Yxy color 35.3140, 0.3501, 0.5444.



This preview shows how white text looks on a background with the Yxy color 35.3140, 0.3501, 0.5444.

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

35.3140, 0.3501, 0.5444

Protanopia

34.9151, 0.4356, 0.4817

Deuteranopia

34.6020, 0.4577, 0.4479



Tritanopia

35.2729, 0.2716, 0.3092

Trichromacy



Original Color

35.3140, 0.3501, 0.5444

Protanomaly

34.6851, 0.4020, 0.5064

Deuteranomaly

33.9678, 0.4167, 0.4834

Tritanomaly

34.4411, 0.3075, 0.4035

Monochromacy



Original Color

35.3140, 0.3501, 0.5444

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.7966, 0.3371, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3140, 0.3501, 0.5444 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(111, 178, 30)` looks like.

```
.text, #text, p{  
    color:rgb(111, 178, 30)  
}
```

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(111, 178, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 178, 30) }
```

Border

The CSS property to change the border of an element to Yxy 35.3140, 0.3501, 0.5444 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(111, 178, 30) }
```

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

```
.border{ border-color:rgb(111, 178, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 178, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 178, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 178, 30);  
box-shadow:4px 4px 4px 4px rgb(111, 178,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3140, 0.3501, 0.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 178, 30) }
```

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

```
.background{ background-color: rgb(111,  
178, 30) }
```

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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