

Converting Colors

$Y_{xy}(13.6385, 0.3092, 0.5202)$

Have a look what the booklet for
Yxy(13.6385, 0.3092, 0.5202)
contains.

Yxy(13.5500, 0.3091, 0.5194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.5500, 0.3091, 0.5194)

Conversions

Conversions Part 1

Format	Color
Hex	31752B
RGB	49, 117, 43
RGB Percent	19%, 46%, 17%
CMY	0.8078, 0.5412, 0.8314
CMYK	0.58, 0.00, 0.63, 0.54
HSL	115°, 46%, 31%
HSV	115°, 63%, 46%
XYZ	8.0637, 13.5500, 4.4741
YIQ	88.2320, -16.7740, -37.4300

Conversions

Conversions Part 2

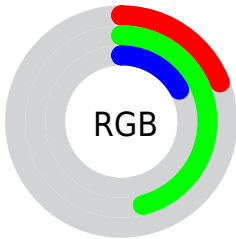
Format	Color
R_{YB}	43, 117, 111
Decimal	3241259
CIE _{Lab}	43.58, -37.11, 33.71
CIE _{LCh}	44, 50.135, 137.748
Yxy	13.5500, 0.3091, 0.5194
Android (android.graphics.Color)	4281431339 (0xFF31752B)
YUV	88.2320, -22.2994, -34.4065
Hunter-Lab	36.8103, -25.3155, 18.5609

Details

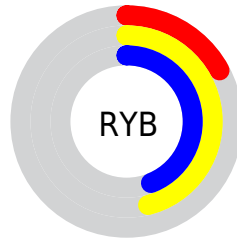
The Yxy color **13.5500, 0.3091, 0.5194** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.3894, 0.3079, 0.1851**, and the grayscale version is **9.8647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3296, 0.3148, 0.4681**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2406, 0.3074, 0.5484**, and if you desaturate by 10%, it is **13.9490, 0.3105, 0.4871**.

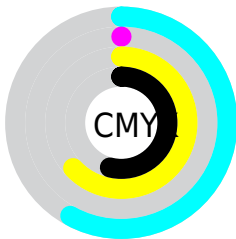
Distribution



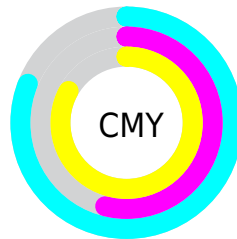
- Red (19%)
- Green (46%)
- Blue (17%)



- Red (17%)
- Yellow (46%)
- Blue (44%)



- Cyan (58%)
- Magenta (0%)
- Yellow (63%)
- Black (54%)




- Cyan (81%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5500, 0.3091, 0.5194 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 13.5500, 0.3091, 0.5194 by changing the saturation by 10% instead.


 13.5500, 0.3091,
0.5194


 13.5500, 0.3091,
0.5194


214.4131, 0.3169,
0.3983


 7.8084, 0.3016,
0.5624


 32.2884, 0.3148,
0.4670


 3.9726, 0.2886,
0.6339

 46.0540, 0.3159,
0.4500


 1.6582, 0.2398,
0.7602

 63.2629, 0.3165,
0.4367

 0.3964, 0.0000,
1.0000

 84.2998, 0.3168,
0.4260

 0.0000, 0.0000,
0.0000

 109.5488, 0.3169,
0.4172

 139.3944, 0.3169,

0.4098

174.2211, 0.3169,
0.4036

■ 13.5500, 0.3091,
0.5194

■ 13.5500, 0.3091,
0.5194

■ 13.2406, 0.3074,
0.5484

■ 13.9490, 0.3105,
0.4871

■ 13.0122, 0.3055,
0.5720

■ 14.4419, 0.3115,
0.4536

■ 12.8575, 0.3035,
0.5885

■ 15.0349, 0.3122,
0.4208

■ 12.7847, 0.3030,
0.5977

■ 15.7330, 0.3126,
0.3900

■ 16.5410, 0.3128,
0.3618

■ 17.4633, 0.3128,
0.3366

■ 18.5043, 0.3126,
0.3143

■ 19.6679, 0.3123,
0.2948

■ 20.9578, 0.3120,
0.2778

Harmonies

Analogous

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



13.5500, 0.4039, 0.5108



13.5500, 0.3091, 0.5194



13.5500, 0.2201, 0.4371

Triad

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



13.5500, 0.3091, 0.5194



13.5500, 0.1566, 0.1871



13.5500, 0.4868, 0.3070

Complementary

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



13.5500, 0.3091, 0.5194



6.3894, 0.3079, 0.1851

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.



13.5500, 0.3945, 0.2458



13.5500, 0.3091, 0.5194



13.5500, 0.2036, 0.1801

Square

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



13.5500, 0.3091, 0.5194



13.5500, 0.1426, 0.2289



13.5500, 0.2864, 0.2010



13.5500, 0.5173, 0.3760

Rectangle

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



13.5500, 0.3091, 0.5194



13.5500, 0.1770, 0.3550



13.5500, 0.2864, 0.2010



13.5500, 0.4612, 0.2854

Sweetspot

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



13.5506, 0.3091, 0.5194



28.6939, 0.3127, 0.3790



15.2892, 0.4041, 0.4598



6.5240, 0.3127, 0.3856



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.5506, 0.3091, 0.5194



23.4992, 0.3065, 0.5603



13.7285, 0.2774, 0.4434



4.1111, 0.3128, 0.3508



14.0817, 0.3028, 0.5978



68.4612, 0.3014, 0.5989

Inverse Universe

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



6.3894, 0.3079, 0.1851



9.4941, 0.3055, 0.1627



6.1831, 0.3865, 0.2417



3.7435, 0.3125, 0.3080



4.8893, 0.3013, 0.1433



23.6495, 0.3002, 0.1427

Previews

White Background



This preview shows how the Yxy color 13.5500, 0.3091, 0.5194 looks on a white background.

Color Contrast Check

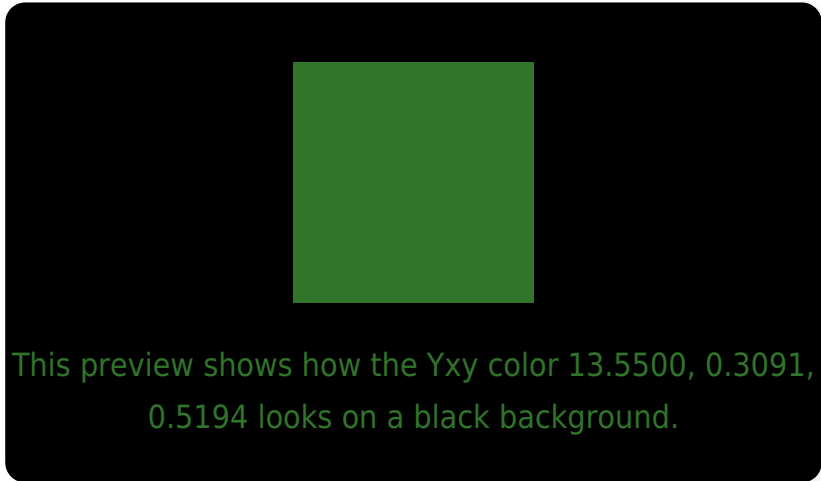
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

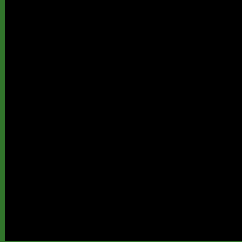
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5500, 0.3091, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 13.5500, 0.3091, 0.5194.



This preview shows how white text looks on a background with the Yxy color 13.5500, 0.3091, 0.5194.

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

13.5500, 0.3091, 0.5194

Protanopia

13.4244, 0.4128, 0.4558

Deuteranopia

13.3927, 0.4267, 0.4225



Tritanopia

13.6181, 0.2527, 0.3102

Trichromacy



Original Color

13.5500, 0.3091, 0.5194

Protanomaly

13.0520, 0.3687, 0.4831

Deuteranomaly

12.9051, 0.3769, 0.4588

Tritanomaly

13.5262, 0.2745, 0.3845

Monochromacy



Original Color

13.5500, 0.3091, 0.5194

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.8474, 0.3122, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5500, 0.3091, 0.5194 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(49, 117, 43)` looks like.

```
.text, #text, p{  
    color:rgb(49, 117, 43)  
}
```

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(49, 117, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 117, 43) }
```

Border

The CSS property to change the border of an element to Yxy 13.5500, 0.3091, 0.5194 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(49, 117, 43) }
```

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

```
.border{ border-color:rgb(49, 117, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 117, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 117, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 117, 43);  
box-shadow:4px 4px 4px 4px rgb(49, 117,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5500, 0.3091, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 117, 43) }
```

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

```
.background{ background-color: rgb(49, 117,  
43) }
```

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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