

Converting Colors

$Y_{xy}(19.5455, 0.3631, 0.5499)$

Have a look what the booklet for
Yxy(19.5455, 0.3631, 0.5499)
contains.

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Color

Yxy(19.5016, 0.3632, 0.5498)

Conversions

Conversions Part 1

Format	Color
Hex	5A8700
RGB	90, 135, 0
RGB Percent	35%, 53%, 0%
CMY	0.6469, 0.4706, 0.9999
CMYK	0.33, 0.00, 1.00, 0.47
HSL	80°, 100%, 26%
HSV	80°, 100%, 53%
XYZ	12.8828, 19.5016, 3.0859
YIQ	106.1550, 16.5150, -51.5250

Conversions

Conversions Part 2

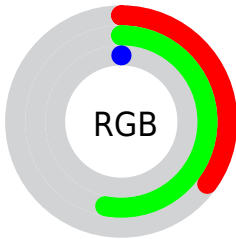
Format	Color
RYB	0, 135, 45
Decimal	5932800
CIELab	51.27, -33.11, 55.00
CIELCh	51, 64.202, 121.049
Yxy	19.5016, 0.3632, 0.5498
Android (android.graphics.Color)	4284122880 (0xFF5A8700)
YUV	106.1550, -52.3344, -14.1679
Hunter-Lab	44.1606, -25.2079, 26.7693

Details

The Yxy color **19.5016, 0.3632, 0.5498** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3079, 0.1769, 0.0748**, and the grayscale version is **14.6043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8202, 0.3606, 0.4999**, and **6.8903, 0.3337, 0.5732** is the 20% darker color. If you saturate the color by 10%, you get **19.5018, 0.3632, 0.5498**, and if you desaturate by 10%, it is **19.7654, 0.3656, 0.5388**.

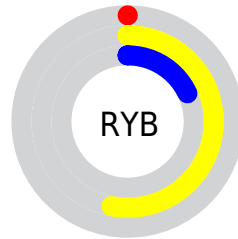
Distribution



Red (35%)

Green (53%)

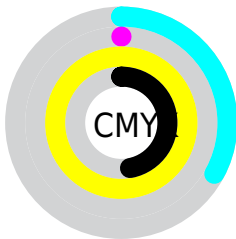
Blue (0%)



Red (0%)

Yellow (53%)

Blue (18%)

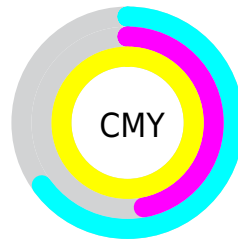


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (65%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5016, 0.3632, 0.5498 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 19.5016, 0.3632, 0.5498 by changing the saturation by 10% instead.


 19.5016, 0.3632,
0.5498


 19.5016, 0.3632,
0.5498


249.2041, 0.3452,
0.4220


 12.0333, 0.3605,
0.5842


 42.5800, 0.3606,
0.5003


 6.7663, 0.3583,
0.6417


 58.9588, 0.3582,
0.4824


 3.3164, 0.3223,
0.6777

 79.0767, 0.3557,
0.4677

 1.2991, 0.2251,
0.7749

 103.3178, 0.3533,
0.4554


 0.1405, 0.0000,
1.0000


 132.0668, 0.3510,
0.4451


 0.0000, 0.0000,
0.0000


 165.7079, 0.3489,

0.4363

 204.6255, 0.3469,
0.4287

 19.5016, 0.3632,
0.5498


 19.5016, 0.3632,
0.5498


 19.5018, 0.3632,
0.5498

 19.7654, 0.3656,
0.5388

 20.0606, 0.3663,
0.5245

 20.3987, 0.3648,
0.5058

 20.7834, 0.3610,
0.4835

 21.2178, 0.3552,
0.4584

■ 21.7049, 0.3480,
0.4319

■ 22.2472, 0.3398,
0.4049

■ 22.8472, 0.3309,
0.3784

■ 23.5071, 0.3218,
0.3529

Harmonies

Analogous

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



19.5016, 0.4612, 0.4912



19.5016, 0.3632, 0.5498



19.5016, 0.2587, 0.5194

Triad

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



19.5016, 0.3632, 0.5498



19.5016, 0.1292, 0.1909



19.5016, 0.4572, 0.2640

Complementary

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



19.5016, 0.3632, 0.5498



2.3079, 0.1769, 0.0748

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.



19.5016, 0.3343, 0.2068



19.5016, 0.3632, 0.5498



19.5016, 0.1592, 0.1655

Square

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



19.5016, 0.3632, 0.5498



19.5016, 0.1324, 0.2619



19.5016, 0.2265, 0.1723



19.5016, 0.5339, 0.3336

Rectangle

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



19.5016, 0.3632, 0.5498



19.5016, 0.1984, 0.4378



19.5016, 0.2265, 0.1723



19.5016, 0.4180, 0.2430

Sweetspot

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



19.5025, 0.3632, 0.5498



39.7713, 0.3404, 0.4068



6.8620, 0.5875, 0.3717



9.1259, 0.3435, 0.4167



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.



19.5025, 0.3632, 0.5498



34.8358, 0.3620, 0.5508



17.5311, 0.3071, 0.5943



5.3474, 0.3210, 0.3508



17.9914, 0.3634, 0.5497



0.0663, 0.3901, 0.5285

Inverse Universe

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



2.3079, 0.1769, 0.0748



4.0509, 0.1748, 0.0737



5.0813, 0.2761, 0.1295



4.6144, 0.3040, 0.3069



2.1338, 0.1772, 0.0750



0.0111, 0.2242, 0.1009

Previews

White Background



This preview shows how the Yxy color 19.5016, 0.3632, 0.5498 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 19.5016, 0.3632, 0.5498 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 19.5016, 0.3632, 0.5498

Background



This preview shows how black text looks on a background with the Yxy color 19.5016, 0.3632, 0.5498.



This preview shows how white text looks on a background with the Yxy color 19.5016, 0.3632, 0.5498.

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

19.5016, 0.3632, 0.5498

Protanopia

19.2374, 0.4394, 0.4893

Deuteranopia

19.3377, 0.4595, 0.4541



Tritanopia

19.3596, 0.2786, 0.3097

Trichromacy



Original Color

19.5016, 0.3632, 0.5498

Protanomaly

19.1718, 0.4100, 0.5126

Deuteranomaly

18.9522, 0.4239, 0.4901

Tritanomaly

19.0250, 0.3232, 0.4190

Monochromacy



Original Color

19.5016, 0.3632, 0.5498

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.8372, 0.3492, 0.4379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5016, 0.3632, 0.5498 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(90, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 0)  
}
```

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(90, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.5016, 0.3632, 0.5498 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(90, 135, 0) }
```

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

```
.border{ border-color:rgb(90, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 135, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5016, 0.3632, 0.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 0) }
```

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

```
.background{ background-color: rgb(90, 135,  
0) }
```

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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