

Converting Colors

$Yxy(19.4167, 0.3400, 0.5683)$

Have a look what the booklet for
Yxy(19.4167, 0.3400, 0.5683)
contains.

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Color

Yxy(19.5166, 0.3402, 0.5681)

Conversions

Conversions Part 1

Format	Color
Hex	478A00
RGB	71, 138, 0
RGB Percent	28%, 54%, 0%
CMY	0.7215, 0.4588, 1.0000
CMYK	0.49, 0.00, 1.00, 0.46
HSL	89°, 100%, 27%
HSV	89°, 100%, 54%
XYZ	11.6873, 19.5166, 3.1503
YIQ	102.2350, 4.3660, -57.1220

Conversions

Conversions Part 2

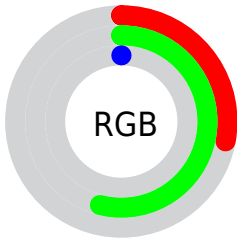
Format	Color
RYB	0, 138, 67
Decimal	4688384
CIELab	51.29, -41.39, 54.61
CIELCh	51, 68.526, 127.160
Yxy	19.5166, 0.3402, 0.5681
Android (android.graphics.Color)	4282878464 (0xFF478A00)
YUV	102.2350, -50.4019, -27.3931
Hunter-Lab	44.1776, -30.0882, 26.6964

Details

The Yxy color **19.5166, 0.3402, 0.5681** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0282, 0.2018, 0.0886**, and the grayscale version is **13.4865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5401, 0.3429, 0.5124**, and **6.8487, 0.3029, 0.5977** is the 20% darker color. If you saturate the color by 10%, you get **19.5175, 0.3402, 0.5681**, and if you desaturate by 10%, it is **19.8161, 0.3442, 0.5553**.

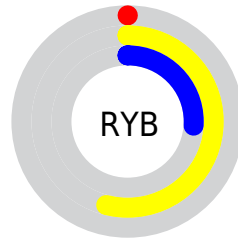
Distribution



Red (28%)

Green (54%)

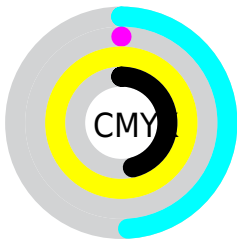
Blue (0%)



Red (0%)

Yellow (54%)

Blue (26%)

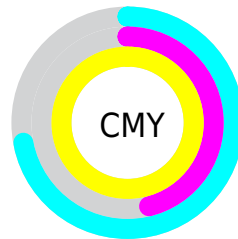


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (72%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5166, 0.3402, 0.5681 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 19.5166, 0.3402, 0.5681 by changing the saturation by 10% instead.


 19.5166, 0.3402,
0.5681

 19.5166, 0.3402,
0.5681


249.2860, 0.3360,
0.4271


 12.0442, 0.3331,
0.6077


 42.6052, 0.3433,
0.5124

 6.7738, 0.3248,
0.6752


 58.9902, 0.3428,
0.4926


 3.3210, 0.2801,
0.7199

 79.1148, 0.3419,
0.4765

 1.3015, 0.1198,
0.8802

 103.3634, 0.3407,
0.4632

 0.1424, 0.0000,
1.0000


 132.1205, 0.3395,
0.4519


 0.0000, 0.0000,
0.0000


 165.7703, 0.3383,


0.4424


 204.6974, 0.3371,
0.4342


 19.5166, 0.3402,
0.5681

 19.5166, 0.3402,
0.5681


 19.5175, 0.3402,
0.5681

 19.8161, 0.3442,
0.5553

 20.1632, 0.3469,
0.5387

 20.5701, 0.3475,
0.5173

 21.0412, 0.3461,
0.4921

 21.5807, 0.3428,
0.4644

■ 22.1919, 0.3382,
0.4357

■ 22.8781, 0.3324,
0.4070

■ 23.6424, 0.3261,
0.3793

■ 24.4875, 0.3194,
0.3532

Harmonies

Analogous

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



19.5166, 0.4465, 0.5138



19.5166, 0.3402, 0.5681



19.5166, 0.2329, 0.5119

Triad

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



19.5166, 0.3402, 0.5681



19.5166, 0.1245, 0.1747



19.5166, 0.4894, 0.2737

Complementary

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



19.5166, 0.3402, 0.5681



3.0282, 0.2018, 0.0886

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.



19.5166, 0.3622, 0.2110



19.5166, 0.3402, 0.5681



19.5166, 0.1625, 0.1567

Square

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



19.5166, 0.3402, 0.5681



19.5166, 0.1202, 0.2365



19.5166, 0.2411, 0.1700



19.5166, 0.5529, 0.3467

Rectangle

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



19.5166, 0.3402, 0.5681



19.5166, 0.1752, 0.4132



19.5166, 0.2411, 0.1700



19.5166, 0.4507, 0.2511

Sweetspot

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



19.5175, 0.3402, 0.5681



40.2436, 0.3328, 0.4088



9.3823, 0.5421, 0.4078



8.9251, 0.3350, 0.4192



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.



19.5175, 0.3402, 0.5681



34.3074, 0.3388, 0.5692



18.1925, 0.3005, 0.5996



5.7264, 0.3189, 0.3511



17.9029, 0.3404, 0.5679



0.1276, 0.3740, 0.5412

Inverse Universe

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



3.0282, 0.2018, 0.0886



5.2442, 0.1998, 0.0874



7.0444, 0.3169, 0.1519



5.0036, 0.3061, 0.3069



2.7850, 0.2022, 0.0888



0.0272, 0.2511, 0.1157

Previews

White Background



This preview shows how the Yxy color 19.5166, 0.3402, 0.5681 looks on a white background.

Color Contrast Check

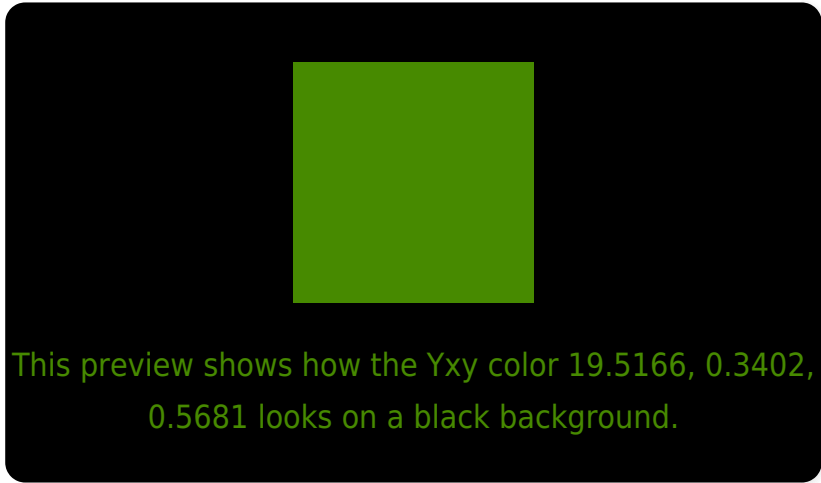
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

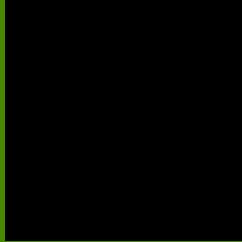
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5166, 0.3402, 0.5681

Background



This preview shows how black text looks on a background with the Yxy color 19.5166, 0.3402, 0.5681.



This preview shows how white text looks on a background with the Yxy color 19.5166, 0.3402, 0.5681.

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

19.5166, 0.3402, 0.5681

Protanopia

19.2374, 0.4394, 0.4893

Deuteranopia

19.1176, 0.4598, 0.4513



Tritanopia

19.4263, 0.2609, 0.3072

Trichromacy



Original Color

19.5166, 0.3402, 0.5681

Protanomaly

18.9491, 0.3995, 0.5210

Deuteranomaly

18.4205, 0.4140, 0.4965

Tritanomaly

19.0009, 0.3020, 0.4252

Monochromacy



Original Color

19.5166, 0.3402, 0.5681

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.8673, 0.3399, 0.4433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5166, 0.3402, 0.5681 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(71, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 138, 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(71, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.5166, 0.3402, 0.5681 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(71, 138, 0) }
```

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

```
.border{ border-color:rgb(71, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5166, 0.3402, 0.5681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 138, 0) }
```

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

```
.background{ background-color: rgb(71, 138,  
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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