

Converting Colors

$Y_{xy}(19.9908, 0.3559, 0.6115)$

Have a look what the booklet for
Yxy(19.9908, 0.3559, 0.6115)
contains.

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Color

Yxy(20.1339, 0.3401, 0.5682)

Conversions

Conversions Part 1

Format	Color
Hex	488C00
RGB	72, 140, 0
RGB Percent	28%, 55%, 0%
CMY	0.7176, 0.4510, 1.0000
CMYK	0.49, 0.00, 1.00, 0.45
HSL	89°, 100%, 27%
HSV	89°, 100%, 55%
XYZ	12.0513, 20.1339, 3.2493
YIQ	103.7080, 4.4120, -57.9560

Conversions

Conversions Part 2

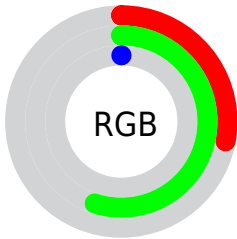
Format	Color
RYB	0, 140, 68
Decimal	4754432
CIELab	51.99, -41.86, 55.19
CIELCh	52, 69.267, 127.184
Yxy	20.1339, 0.3401, 0.5682
Android (android.graphics.Color)	4282944512 (0xFF488C00)
YUV	103.7080, -51.1280, -27.8079
Hunter-Lab	44.8708, -30.5829, 27.1161

Details

The Yxy color **20.1339, 0.3401, 0.5682** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1218, 0.2017, 0.0885**, and the grayscale version is **13.9012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5780, 0.3437, 0.5129**, and **7.1835, 0.3033, 0.5974** is the 20% darker color. If you saturate the color by 10%, you get **20.1349, 0.3401, 0.5682**, and if you desaturate by 10%, it is **20.4426, 0.3442, 0.5555**.

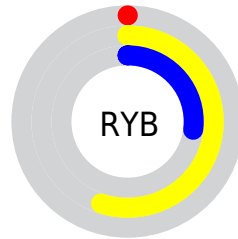
Distribution



Red (28%)

Green (55%)

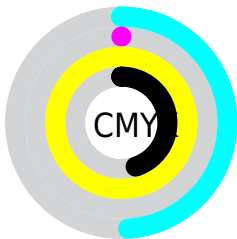
Blue (0%)



Red (0%)

Yellow (55%)

Blue (27%)

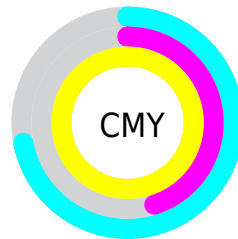


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (72%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1339, 0.3401, 0.5682 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 20.1339, 0.3401, 0.5682 by changing the saturation by 10% instead.

■ 20.1339, 0.3401,
0.5682

■ 20.1339, 0.3401,
0.5682

■ 252.6391, 0.3361,
0.4278

■ 12.4924, 0.3331,
0.6074

■ 43.6416, 0.3432,
0.5129

■ 7.0800, 0.3254,
0.6746

■ 60.2765, 0.3428,
0.4933

■ 3.5122, 0.2816,
0.7184

■ 80.6781, 0.3418,
0.4772

■ 1.4046, 0.1457,
0.8543

■ 105.2307, 0.3407,
0.4638

■ 0.2201, 0.0000,
1.0000


■ 134.3187, 0.3395,
0.4526


■ 0.0000, 0.0000,
0.0000


■ 168.3265, 0.3383,


0.4431

 207.6385, 0.3372,
0.4349


 20.1339, 0.3401,
0.5682


 20.1339, 0.3401,
0.5682


 20.1349, 0.3401,
0.5682

 20.4426, 0.3442,
0.5555

 20.8005, 0.3469,
0.5389

 21.2203, 0.3475,
0.5175

 21.7066, 0.3461,
0.4923

 22.2634, 0.3429,
0.4646

■ 22.8946, 0.3382,
0.4358

■ 23.6033, 0.3325,
0.4071

■ 24.3928, 0.3261,
0.3794

■ 25.2659, 0.3194,
0.3532

Harmonies

Analogous

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



20.1339, 0.4464, 0.5139



20.1339, 0.3401, 0.5682



20.1339, 0.2328, 0.5119

Triad

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



20.1339, 0.3401, 0.5682



20.1339, 0.1244, 0.1747



20.1339, 0.4895, 0.2737

Complementary

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



20.1339, 0.3401, 0.5682



3.1218, 0.2017, 0.0885

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.



20.1339, 0.3623, 0.2110



20.1339, 0.3401, 0.5682



20.1339, 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.



20.1339, 0.3401, 0.5682



20.1339, 0.1202, 0.2364



20.1339, 0.2412, 0.1700



20.1339, 0.5530, 0.3467

Rectangle

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



20.1339, 0.3401, 0.5682



20.1339, 0.1751, 0.4131



20.1339, 0.2412, 0.1700



20.1339, 0.4508, 0.2512

Sweetspot

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



20.1349, 0.3401, 0.5682



41.5299, 0.3329, 0.4089



9.6697, 0.5422, 0.4076



9.4592, 0.3351, 0.4196



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.1349, 0.3401, 0.5682



35.4022, 0.3387, 0.5693



18.7716, 0.3005, 0.5996



5.7264, 0.3189, 0.3511



17.9022, 0.3404, 0.5679



0.1276, 0.3740, 0.5413

Inverse Universe

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



3.1218, 0.2017, 0.0885



5.4089, 0.1997, 0.0874



7.2685, 0.3169, 0.1519



5.0036, 0.3061, 0.3069



2.7855, 0.2022, 0.0888



0.0272, 0.2511, 0.1157

Previews

White Background



This preview shows how the Yxy color 20.1339, 0.3401, 0.5682 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 20.1339, 0.3401, 0.5682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

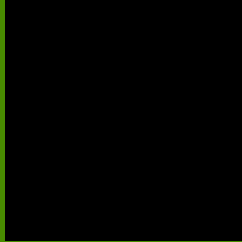
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1339, 0.3401, 0.5682

Background



This preview shows how black text looks on a background with the Yxy color 20.1339, 0.3401, 0.5682.



This preview shows how white text looks on a background with the Yxy color 20.1339, 0.3401, 0.5682.

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

20.1339, 0.3401, 0.5682

Protanopia

19.9043, 0.4391, 0.4895

Deuteranopia

19.7750, 0.4595, 0.4523



Tritanopia

20.0620, 0.2607, 0.3075

Trichromacy



Original Color

20.1339, 0.3401, 0.5682

Protanomaly

19.6101, 0.3998, 0.5208

Deuteranomaly

19.0709, 0.4142, 0.4968

Tritanomaly

19.6274, 0.3011, 0.4240

Monochromacy



Original Color

20.1339, 0.3401, 0.5682

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.3912, 0.3393, 0.4441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1339, 0.3401, 0.5682 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(72, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 140, 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(72, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.1339, 0.3401, 0.5682 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(72, 140, 0) }
```

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

```
.border{ border-color:rgb(72, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(72, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1339, 0.3401, 0.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 140, 0) }
```

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

```
.background{ background-color: rgb(72, 140,  
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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