

Converting Colors

$Y_{xy}(19.8590, 0.3348, 0.5557)$

Have a look what the booklet for
Yxy(19.8590, 0.3348, 0.5557)
contains.

Yxy(19.8590, 0.3348, 0.5557)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8590, 0.3348, 0.5557)

Conversions

Conversions Part 1

Format	Color
Hex	478B15
RGB	71, 139, 21
RGB Percent	28%, 55%, 8%
CMY	0.7217, 0.4549, 0.9175
CMYK	0.49, 0.00, 0.85, 0.45
HSL	95°, 74%, 31%
HSV	95°, 85%, 55%
XYZ	11.9647, 19.8590, 3.9132
YIQ	105.2160, -2.6500, -51.1140

Conversions

Conversions Part 2

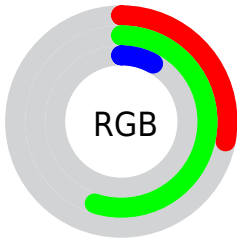
Format	Color
R_{YB}	21, 139, 89
Decimal	4688661
CIE Lab	51.68, -41.13, 50.68
CIE LCh	52, 65.270, 129.057
Yxy	19.8590, 0.3348, 0.5557
Android (android.graphics.Color)	4282878741 (0xFF478B15)
YUV	105.2160, -41.5185, -30.0074
Hunter-Lab	44.5634, -30.0610, 25.9881

Details

The Yxy color **19.8590, 0.3348, 0.5557** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.5292, 0.2358, 0.1179**, and the grayscale version is **14.3026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1114, 0.3376, 0.5017**, and **7.0117, 0.3028, 0.5977** is the 20% darker color. If you saturate the color by 10%, you get **19.5380, 0.3306, 0.5707**, and if you desaturate by 10%, it is **20.2498, 0.3373, 0.5353**.

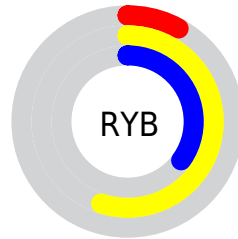
Distribution



Red (28%)

Green (55%)

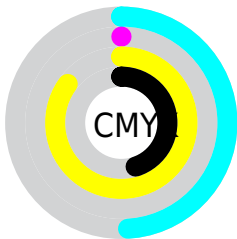
Blue (8%)



Red (8%)

Yellow (55%)

Blue (35%)

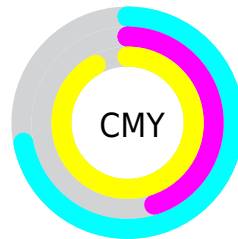


Cyan (49%)

Magenta (0%)

Yellow (85%)

Black (45%)



Cyan (72%)


Magenta (45%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8590, 0.3348, 0.5557 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 19.8590, 0.3348, 0.5557 by changing the saturation by 10% instead.


 19.8590, 0.3348,
0.5557


 19.8590, 0.3348,
0.5557


251.1508, 0.3319,
0.4211


 12.2926, 0.3287,
0.5949


 43.1807, 0.3376,
0.5019


 6.9433, 0.3188,
0.6553


 59.7047, 0.3373,
0.4830


 3.4266, 0.2836,
0.7164

 79.9834, 0.3366,
0.4677

 1.3583, 0.1420,
0.8580

 104.4012, 0.3357,
0.4551


 0.1857, 0.0000,
1.0000


 133.3424, 0.3347,
0.4445

 0.0000, 0.0000,
0.0000


 167.1915, 0.3337,


0.4356


 206.3328, 0.3328,
0.4278


 19.8590, 0.3348,
0.5557

 19.8590, 0.3348,
0.5557


 19.5380, 0.3306,
0.5707

 20.2498, 0.3373,
0.5353

 19.3921, 0.3284,
0.5775

 20.7139, 0.3379,
0.5103

 21.2570, 0.3367,
0.4822

 21.8835, 0.3341,
0.4524

 22.5974, 0.3303,
0.4225

■ 23.4024, 0.3257,
0.3934

■ 24.3019, 0.3206,
0.3660

■ 25.2992, 0.3153,
0.3406

■ 26.3973, 0.3100,
0.3174

Harmonies

Analogous

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



19.8590, 0.4374, 0.5125



19.8590, 0.3348, 0.5557



19.8590, 0.2320, 0.4931

Triad

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



19.8590, 0.3348, 0.5557



19.8590, 0.1326, 0.1791



19.8590, 0.4865, 0.2812

Complementary

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



19.8590, 0.3348, 0.5557



4.5292, 0.2358, 0.1179

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.



19.8590, 0.3683, 0.2193



19.8590, 0.3348, 0.5557



19.8590, 0.1721, 0.1632

Square

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



19.8590, 0.3348, 0.5557



19.8590, 0.1268, 0.2364



19.8590, 0.2510, 0.1778



19.8590, 0.5426, 0.3530

Rectangle

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



19.8590, 0.3348, 0.5557



19.8590, 0.1776, 0.3994



19.8590, 0.2510, 0.1778



19.8590, 0.4511, 0.2590

Sweetspot

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



19.8599, 0.3348, 0.5557



41.8027, 0.3260, 0.3953



12.5043, 0.4895, 0.4291



9.5259, 0.3275, 0.4043



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.



19.8599, 0.3348, 0.5557



34.6305, 0.3269, 0.5786



18.7153, 0.2983, 0.5718



5.7049, 0.3176, 0.3512



17.5100, 0.3287, 0.5772



0.1246, 0.3633, 0.5497

Inverse Universe

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



4.5292, 0.2358, 0.1179



6.3066, 0.2182, 0.0976



7.6696, 0.3346, 0.1708



5.0253, 0.3075, 0.3070



3.2386, 0.2206, 0.0989



0.0302, 0.2657, 0.1237

Previews

White Background



This preview shows how the Yxy color 19.8590, 0.3348, 0.5557 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 19.8590, 0.3348, 0.5557 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 19.8590, 0.3348, 0.5557

Background



This preview shows how black text looks on a background with the Yxy color 19.8590, 0.3348, 0.5557.



This preview shows how white text looks on a background with the Yxy color 19.8590, 0.3348, 0.5557.

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

19.8590, 0.3348, 0.5557

Protanopia

19.6066, 0.4348, 0.4828

Deuteranopia

19.4763, 0.4559, 0.4471



Tritanopia

19.7178, 0.2604, 0.3073

Trichromacy



Original Color

19.8590, 0.3348, 0.5557

Protanomaly

19.3216, 0.3948, 0.5120

Deuteranomaly

18.7891, 0.4090, 0.4882

Tritanomaly

19.4320, 0.2935, 0.4067

Monochromacy



Original Color

19.8590, 0.3348, 0.5557

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.5441, 0.3319, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8590, 0.3348, 0.5557 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, 139, 21)` looks like.

```
.text, #text, p{  
    color:rgb(71, 139, 21)  
}
```

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, 139, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 139, 21) }
```

Border

The CSS property to change the border of an element to Yxy 19.8590, 0.3348, 0.5557 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, 139, 21) }
```

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

```
.border{ border-color:rgb(71, 139, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 139, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 139, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 139, 21);  
box-shadow:4px 4px 4px 4px rgb(71, 139,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8590, 0.3348, 0.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 139, 21) }
```

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

```
.background{ background-color: rgb(71, 139,  
21) }
```

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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