

Converting Colors

$Y_{xy}(20.4421, 0.3650, 0.5484)$

Have a look what the booklet for
Yxy(20.4421, 0.3650, 0.5484)
contains.

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Color

Yxy(20.5041, 0.3642, 0.5490)

Conversions

Conversions Part 1

Format	Color
Hex	5D8A00
RGB	93, 138, 0
RGB Percent	36%, 54%, 0%
CMY	0.6353, 0.4588, 0.9998
CMYK	0.33, 0.00, 1.00, 0.46
HSL	80°, 100%, 27%
HSV	80°, 100%, 54%
XYZ	13.6022, 20.5041, 3.2418
YIQ	108.8130, 17.4780, -52.4580

Conversions

Conversions Part 2

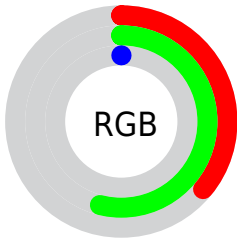
Format	Color
RYB	0, 138, 45
Decimal	6130176
CIELab	52.40, -33.30, 55.95
CIELCh	52, 65.110, 120.765
Yxy	20.5041, 0.3642, 0.5490
Android (android.graphics.Color)	4284320256 (0xFF5D8A00)
YUV	108.8130, -53.6448, -13.8680
Hunter-Lab	45.2815, -25.6226, 27.4523

Details

The Yxy color **20.5041, 0.3642, 0.5490** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3954, 0.1758, 0.0742**, and the grayscale version is **15.3897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4004, 0.3618, 0.5008**, and **7.4306, 0.3358, 0.5716** is the 20% darker color. If you saturate the color by 10%, you get **20.5041, 0.3642, 0.5490**, and if you desaturate by 10%, it is **20.7781, 0.3666, 0.5383**.

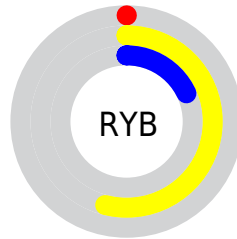
Distribution



Red (36%)

Green (54%)

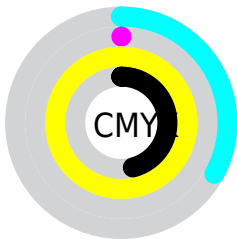
Blue (0%)



Red (0%)

Yellow (54%)

Blue (18%)

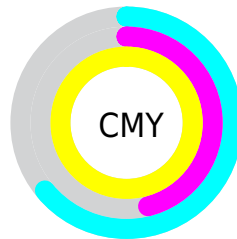


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (64%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5041, 0.3642, 0.5490 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 20.5041, 0.3642, 0.5490 by changing the saturation by 10% instead.


 20.5041, 0.3642,
0.5490


 20.5041, 0.3642,
0.5490


254.6312, 0.3458,
0.4228


 12.7620, 0.3617,
0.5826


 44.2607, 0.3615,
0.5004

 7.2649, 0.3606,
0.6394


 61.0441, 0.3590,
0.4827


 3.6283, 0.3263,
0.6737

 81.6100, 0.3565,
0.4682

 1.4679, 0.2510,
0.7490

 106.3428, 0.3540,
0.4560

 0.2660, 0.0000,
1.0000


 135.6269, 0.3517,
0.4458

 0.0000, 0.0000,
0.0000

 169.8467, 0.3496,

0.4370


 209.3867, 0.3476,
0.4294

 20.5041, 0.3642,
0.5490

 20.7781, 0.3666,
0.5383

 21.0850, 0.3673,
0.5242

 21.4363, 0.3656,
0.5056

 21.8361, 0.3617,
0.4834

 22.2877, 0.3559,
0.4584

■ 22.7941, 0.3485,
0.4320

■ 23.3580, 0.3401,
0.4050

■ 23.9820, 0.3311,
0.3784

■ 24.6685, 0.3219,
0.3529

Harmonies

Analogous

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



20.5041, 0.4618, 0.4902



20.5041, 0.3642, 0.5490



20.5041, 0.2599, 0.5197

Triad

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



20.5041, 0.3642, 0.5490



20.5041, 0.1294, 0.1917



20.5041, 0.4558, 0.2636

Complementary

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



20.5041, 0.3642, 0.5490



2.3954, 0.1758, 0.0742

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.



20.5041, 0.3331, 0.2066



20.5041, 0.3642, 0.5490



20.5041, 0.1590, 0.1658

Square

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



20.5041, 0.3642, 0.5490



20.5041, 0.1330, 0.2630



20.5041, 0.2259, 0.1724



20.5041, 0.5330, 0.3330

Rectangle

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



20.5041, 0.3642, 0.5490



20.5041, 0.1995, 0.4388



20.5041, 0.2259, 0.1724



20.5041, 0.4166, 0.2426

Sweetspot

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



20.5050, 0.3642, 0.5490



41.0994, 0.3407, 0.4068



7.1853, 0.5878, 0.3714



9.1353, 0.3438, 0.4166



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.



20.5050, 0.3642, 0.5490



36.0517, 0.3631, 0.5499



18.3893, 0.3070, 0.5944



5.7646, 0.3211, 0.3509



18.8062, 0.3644, 0.5489



0.1329, 0.3908, 0.5279

Inverse Universe

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



2.3954, 0.1758, 0.0742



4.1413, 0.1738, 0.0731



5.3278, 0.2760, 0.1294



4.9663, 0.3038, 0.3068



2.2018, 0.1761, 0.0744



0.0219, 0.2229, 0.1002

Previews

White Background



This preview shows how the Yxy color 20.5041, 0.3642, 0.5490 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 20.5041, 0.3642, 0.5490 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 20.5041, 0.3642, 0.5490

Background



This preview shows how black text looks on a background with the Yxy color 20.5041, 0.3642, 0.5490.



This preview shows how white text looks on a background with the Yxy color 20.5041, 0.3642, 0.5490.

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

20.5041, 0.3642, 0.5490

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.1995, 0.4616, 0.4533



Tritanopia

20.4282, 0.2783, 0.3083

Trichromacy



Original Color

20.5041, 0.3642, 0.5490

Protanomaly

20.2503, 0.4115, 0.5114

Deuteranomaly

19.7760, 0.4265, 0.4885

Tritanomaly

20.0319, 0.3241, 0.4190

Monochromacy



Original Color

20.5041, 0.3642, 0.5490

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.7462, 0.3496, 0.4374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5041, 0.3642, 0.5490 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(93, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 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(93, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.5041, 0.3642, 0.5490 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(93, 138, 0) }
```

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

```
.border{ border-color:rgb(93, 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(93, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5041, 0.3642, 0.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 138, 0) }
```

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

```
.background{ background-color: rgb(93, 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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