

Converting Colors

$Y_{xy}(20.5379, 0.3431, 0.5942)$

Have a look what the booklet for
Yxy(20.5379, 0.3431, 0.5942)
contains.

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Color

Yxy(20.5749, 0.3352, 0.5720)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 448E00 |
| RGB | 68, 142, 0 |
| RGB Percent | 27%, 56%, 0% |
| CMY | 0.7333, 0.4431, 0.9997 |
| CMYK | 0.52, 0.00, 1.00, 0.44 |
| HSL | 91°, 100%, 28% |
| HSV | 91°, 100%, 56% |
| XYZ | 12.0572, 20.5749, 3.3380 |
| YIQ | 103.6860, 1.4780, -59.8500 |

Conversions

Conversions Part 2

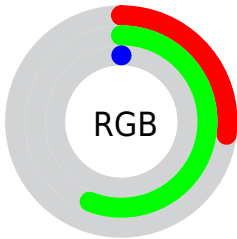
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 142, 74 |
| Decimal | 4492800 |
| CIELab | 52.48, -43.95, 55.48 |
| CIELCh | 52, 70.773, 128.385 |
| Yxy | 20.5749, 0.3352, 0.5720 |
| Android (android.graphics.Color) | 4282682880 (0xFF448E00) |
| YUV | 103.6860, -51.1172, -31.2966 |
| Hunter-Lab | 45.3596, -31.9315, 27.3885 |

Details

The Yxy color **20.5749, 0.3352, 0.5720** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.4143, 0.2086, 0.0923**, and the grayscale version is **13.8969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1823, 0.3393, 0.5153**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.5740, 0.3352, 0.5721**, and if you desaturate by 10%, it is **20.8914, 0.3395, 0.5591**.

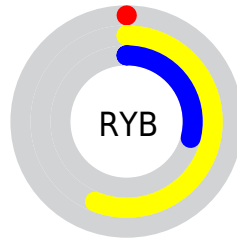
Distribution



Red (27%)

Green (56%)

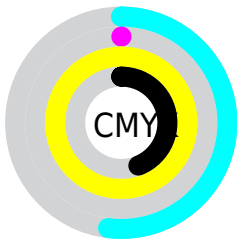
Blue (0%)



Red (0%)

Yellow (56%)

Blue (29%)

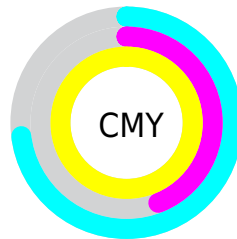


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (73%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5749, 0.3352, 0.5720 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 20.5749, 0.3352, 0.5720 by changing the saturation by 10% instead.


 20.5749, 0.3352,
0.5720


 20.5749, 0.3352,
0.5720


255.0106, 0.3342,
0.4292

 12.8136, 0.3274,
0.6120


 44.3790, 0.3395,
0.5158

 7.3003, 0.3177,
0.6788


 61.1906, 0.3395,
0.4958


 3.6506, 0.2740,
0.7260

 81.7877, 0.3389,
0.4794

 1.4801, 0.1398,
0.8602

 106.5548, 0.3380,
0.4659


 0.2747, 0.0000,
1.0000


 135.8762, 0.3371,
0.4545

 0.0000, 0.0000,
0.0000

 170.1364, 0.3361,

0.4448

 209.7198, 0.3351,
0.4365


 20.5749, 0.3352,
0.5720


 20.5749, 0.3352,
0.5720


 20.5740, 0.3352,
0.5721

 20.8914, 0.3395,
0.5591

 21.2632, 0.3426,
0.5420

 21.7032, 0.3436,
0.5201

 22.2164, 0.3427,
0.4942

 22.8074, 0.3400,
0.4659

■ 23.4800, 0.3359,
0.4366

■ 24.2380, 0.3307,
0.4075

■ 25.0848, 0.3250,
0.3795

■ 26.0235, 0.3189,
0.3532

Harmonies

Analogous

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



20.5749, 0.4431, 0.5188



20.5749, 0.3352, 0.5720



20.5749, 0.2274, 0.5099

Triad

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



20.5749, 0.3352, 0.5720



20.5749, 0.1235, 0.1715



20.5749, 0.4962, 0.2757

Complementary

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



20.5749, 0.3352, 0.5720



3.4143, 0.2086, 0.0923

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.



20.5749, 0.3683, 0.2119



20.5749, 0.3352, 0.5720



20.5749, 0.1632, 0.1549

Square

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



20.5749, 0.3352, 0.5720



20.5749, 0.1178, 0.2314



20.5749, 0.2443, 0.1695



20.5749, 0.5566, 0.3493

Rectangle

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



20.5749, 0.3352, 0.5720



20.5749, 0.1704, 0.4078



20.5749, 0.2443, 0.1695



20.5749, 0.4578, 0.2528

Sweetspot

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



20.5758, 0.3352, 0.5720



42.6438, 0.3311, 0.4095



10.5702, 0.5327, 0.4151



9.4113, 0.3331, 0.4202



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.



20.5758, 0.3352, 0.5720



36.1830, 0.3338, 0.5732



19.3526, 0.2996, 0.5985



6.1480, 0.3184, 0.3512



18.4826, 0.3355, 0.5718



0.1897, 0.3699, 0.5445

Inverse Universe

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



3.4143, 0.2086, 0.0923



5.9166, 0.2066, 0.0912



7.6356, 0.3250, 0.1564



5.3846, 0.3066, 0.3068



3.0733, 0.2090, 0.0925



0.0425, 0.2570, 0.1189

Previews

White Background



This preview shows how the Yxy color 20.5749, 0.3352, 0.5720 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 20.5749, 0.3352, 0.5720 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 20.5749, 0.3352, 0.5720

Background



This preview shows how black text looks on a background with the Yxy color 20.5749, 0.3352, 0.5720.



This preview shows how white text looks on a background with the Yxy color 20.5749, 0.3352, 0.5720.

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

20.5749, 0.3352, 0.5720

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.2137, 0.4600, 0.4512



Tritanopia

20.5604, 0.2578, 0.3076

Trichromacy



Original Color

20.5749, 0.3352, 0.5720

Protanomaly

19.8100, 0.3973, 0.5227

Deuteranomaly

19.5824, 0.4117, 0.4991

Tritanomaly

20.1130, 0.2982, 0.4258

Monochromacy



Original Color

20.5749, 0.3352, 0.5720

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.5744, 0.3375, 0.4464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5749, 0.3352, 0.5720 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(68, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 142, 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(68, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.5749, 0.3352, 0.5720 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(68, 142, 0) }
```

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

```
.border{ border-color:rgb(68, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5749, 0.3352, 0.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 142, 0) }
```

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

```
.background{ background-color: rgb(68, 142,  
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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