

Converting Colors

$Y_{xy}(20.3828, 0.3497, 0.5512)$

Have a look what the booklet for
Yxy(20.3828, 0.3497, 0.5512)
contains.

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Color

Yxy(20.3359, 0.3492, 0.5515)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 538B0E |
| RGB | 83, 139, 14 |
| RGB Percent | 33%, 55%, 5% |
| CMY | 0.6747, 0.4549, 0.9451 |
| CMYK | 0.40, 0.00, 0.90, 0.45 |
| HSL | 87°, 82%, 30% |
| HSV | 87°, 90%, 55% |
| XYZ | 12.8763, 20.3359, 3.6616 |
| YIQ | 108.0060, 6.7490, -50.7470 |

Conversions

Conversions Part 2

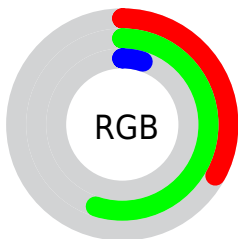
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 14, 139, 70 |
| Decimal | 5475086 |
| CIELab | 52.21, -37.23, 53.06 |
| CIELCh | 52, 64.818, 125.060 |
| Yxy | 20.3359, 0.3492, 0.5515 |
| Android (android.graphics.Color) | 4283665166 (0xFF538B0E) |
| YUV | 108.0060, -46.3450, -21.9303 |
| Hunter-Lab | 45.0953, -27.9487, 26.7526 |

Details

The Yxy color **20.3359, 0.3492, 0.5515** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.4821, 0.2067, 0.0980**, and the grayscale version is **15.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0242, 0.3496, 0.5005**, and **7.2125, 0.3195, 0.5845** is the 20% darker color. If you saturate the color by 10%, you get **20.0346, 0.3454, 0.5639**, and if you desaturate by 10%, it is **20.6846, 0.3515, 0.5354**.

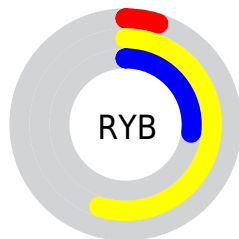
Distribution



Red (33%)

Green (55%)

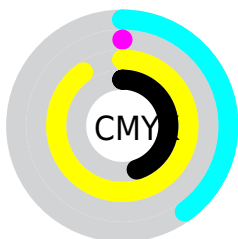
Blue (5%)



Red (5%)

Yellow (55%)

Blue (27%)

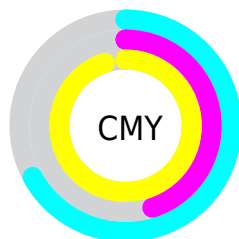


Cyan (40%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (67%)


Magenta (45%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3359, 0.3492, 0.5515 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 20.3359, 0.3492, 0.5515 by changing the saturation by 10% instead.


 20.3359, 0.3492,
0.5515

 20.3359, 0.3492,
0.5515


253.7278, 0.3386,
0.4216


 12.6394, 0.3451,
0.5879


 43.9796, 0.3491,
0.5004

 7.1807, 0.3392,
0.6452


 60.6957, 0.3477,
0.4822

 3.5754, 0.3059,
0.6941

 81.1871, 0.3461,
0.4674

 1.4390, 0.2073,
0.7927

 105.8382, 0.3444,
0.4550


 0.2452, 0.0000,
1.0000


 135.0334, 0.3428,
0.4446


 0.0000, 0.0000,
0.0000


 169.1572, 0.3413,


0.4358


 208.5938, 0.3399,
0.4282

 20.3359, 0.3492,
0.5515


 20.3359, 0.3492,
0.5515

 20.0346, 0.3454,
0.5639


 20.6846, 0.3515,
0.5354

 20.0326, 0.3454,
0.5640

 21.0893, 0.3516,
0.5146

 21.5553, 0.3497,
0.4900

 22.0863, 0.3458,
0.4630

 22.6858, 0.3405,
0.4347

■ 23.3570, 0.3342,
0.4064

■ 24.1027, 0.3272,
0.3790

■ 24.9257, 0.3200,
0.3530

■ 25.8286, 0.3127,
0.3288

Harmonies

Analogous

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



20.3359, 0.4489, 0.5010



20.3359, 0.3492, 0.5515



20.3359, 0.2460, 0.5052

Triad

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



20.3359, 0.3492, 0.5515



20.3359, 0.1318, 0.1858



20.3359, 0.4709, 0.2731

Complementary

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



20.3359, 0.3492, 0.5515



3.4821, 0.2067, 0.0980

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.



20.3359, 0.3509, 0.2137



20.3359, 0.3492, 0.5515



20.3359, 0.1663, 0.1652

Square

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



20.3359, 0.3492, 0.5515



20.3359, 0.1305, 0.2495



20.3359, 0.2390, 0.1759



20.3359, 0.5371, 0.3435

Rectangle

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



20.3359, 0.3492, 0.5515



20.3359, 0.1888, 0.4179



20.3359, 0.2390, 0.1759



20.3359, 0.4337, 0.2515

Sweetspot

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



20.3368, 0.3492, 0.5515



42.1231, 0.3326, 0.3999



9.6761, 0.5316, 0.4017



9.6186, 0.3346, 0.4082



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.



20.3368, 0.3492, 0.5515



35.7702, 0.3440, 0.5651



18.6740, 0.3032, 0.5866



5.7353, 0.3194, 0.3510



18.0880, 0.3457, 0.5637



0.1289, 0.3781, 0.5380

Inverse Universe

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



3.4821, 0.2067, 0.0980



5.0954, 0.1928, 0.0836



6.9777, 0.3062, 0.1512



4.9948, 0.3056, 0.3069



2.6261, 0.1954, 0.0850



0.0259, 0.2449, 0.1123

Previews

White Background



This preview shows how the Yxy color 20.3359, 0.3492, 0.5515 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 20.3359, 0.3492, 0.5515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

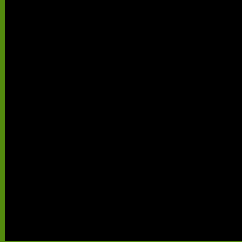
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3359, 0.3492, 0.5515

Background



This preview shows how black text looks on a background with the Yxy color 20.3359, 0.3492, 0.5515.



This preview shows how white text looks on a background with the Yxy color 20.3359, 0.3492, 0.5515.

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

20.3359, 0.3492, 0.5515

Protanopia

20.0061, 0.4386, 0.4858

Deuteranopia

20.1185, 0.4582, 0.4513



Tritanopia

20.2466, 0.2696, 0.3079

Trichromacy



Original Color

20.3359, 0.3492, 0.5515

Protanomaly

19.6444, 0.4038, 0.5113

Deuteranomaly

19.6548, 0.4158, 0.4900

Tritanomaly

19.9104, 0.3078, 0.4107

Monochromacy



Original Color

20.3359, 0.3492, 0.5515

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.3407, 0.3391, 0.4270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3359, 0.3492, 0.5515 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(83, 139, 14)` looks like.

```
.text, #text, p{  
    color:rgb(83, 139, 14)  
}
```

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(83, 139, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 139, 14) }
```

Border

The CSS property to change the border of an element to Yxy 20.3359, 0.3492, 0.5515 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(83, 139, 14) }
```

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

```
.border{ border-color:rgb(83, 139, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 139, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 139, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 139, 14);  
box-shadow:4px 4px 4px 4px rgb(83, 139,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3359, 0.3492, 0.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 139, 14) }
```

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

```
.background{ background-color: rgb(83, 139,  
14) }
```

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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