

Converting Colors

$Y_{xy}(20.1443, 0.3239, 0.5779)$

Have a look what the booklet for
Yxy(20.1443, 0.3239, 0.5779)
contains.

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Color

Yxy(20.1977, 0.3240, 0.5775)

Conversions

Conversions Part 1

Format	Color
Hex	388E05
RGB	56, 142, 5
RGB Percent	22%, 56%, 2%
CMY	0.7804, 0.4431, 0.9803
CMYK	0.61, 0.00, 0.96, 0.44
HSL	98°, 93%, 29%
HSV	98°, 96%, 56%
XYZ	11.3317, 20.1977, 3.4450
YIQ	100.6680, -7.2790, -60.8390

Conversions

Conversions Part 2

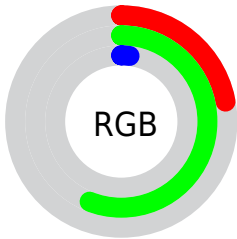
Format	Color
RYB	5, 142, 91
Decimal	3706373
CIELab	52.06, -47.27, 54.09
CIELCh	52, 71.836, 131.155
Yxy	20.1977, 0.3240, 0.5775
Android (android.graphics.Color)	4281896453 (0xFF388E05)
YUV	100.6680, -47.1643, -39.1738
Hunter-Lab	44.9419, -33.6410, 26.9145

Details

The Yxy color **20.1977, 0.3240, 0.5775** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.2863, 0.2344, 0.1086**, and the grayscale version is **13.0505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9521, 0.3305, 0.5185**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.0997, 0.3225, 0.5821**, and if you desaturate by 10%, it is **20.5155, 0.3284, 0.5630**.

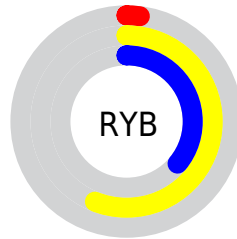
Distribution



Red (22%)

Green (56%)

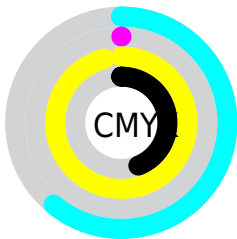
Blue (2%)



Red (2%)

Yellow (56%)

Blue (36%)

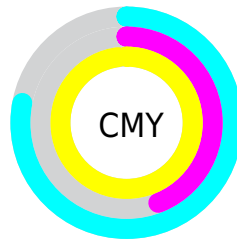


Cyan (61%)

Magenta (0%)

Yellow (96%)

Black (44%)



Cyan (78%)


Magenta (44%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1977, 0.3240, 0.5775 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 20.1977, 0.3240, 0.5775 by changing the saturation by 10% instead.


 20.1977, 0.3240,
0.5775


 20.1977, 0.3240,
0.5775


252.9834, 0.3292,
0.4298


 12.5388, 0.3144,
0.6200


 43.7484, 0.3307,
0.5186

 7.1118, 0.3016,
0.6903


 60.4090, 0.3316,
0.4979

 3.5321, 0.2553,
0.7447

 80.8390, 0.3317,
0.4811

 1.4154, 0.0751,
0.9249

 105.4228, 0.3314,
0.4672


 0.2281, 0.0000,
1.0000


 134.5447, 0.3310,
0.4555


 0.0000, 0.0000,
0.0000

 168.5892, 0.3304,


0.4456


 207.9406, 0.3298,
0.4372

 20.1977, 0.3240,
0.5775


 20.1977, 0.3240,
0.5775


 20.0997, 0.3225,
0.5821

 20.5155, 0.3284,
0.5630

 20.9081, 0.3315,
0.5430

 21.3845, 0.3329,
0.5180

 21.9504, 0.3326,
0.4894

 22.6110, 0.3309,
0.4591

■ 23.3710, 0.3280,
0.4284

■ 24.2346, 0.3243,
0.3986

■ 25.2060, 0.3201,
0.3705

■ 26.2889, 0.3157,
0.3445

Harmonies

Analogous

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



20.1977, 0.4345, 0.5288



20.1977, 0.3240, 0.5775



20.1977, 0.2162, 0.5017

Triad

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



20.1977, 0.3240, 0.5775



20.1977, 0.1231, 0.1658



20.1977, 0.5095, 0.2810

Complementary

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



20.1977, 0.3240, 0.5775



4.2863, 0.2344, 0.1086

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.



20.1977, 0.3822, 0.2152



20.1977, 0.3240, 0.5775



20.1977, 0.1665, 0.1525

Square

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



20.1977, 0.3240, 0.5775



20.1977, 0.1140, 0.2211



20.1977, 0.2529, 0.1700



20.1977, 0.5618, 0.3558

Rectangle

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



20.1977, 0.3240, 0.5775



20.1977, 0.1612, 0.3939



20.1977, 0.2529, 0.1700



20.1977, 0.4722, 0.2576

Sweetspot

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



20.1986, 0.3240, 0.5775



42.2371, 0.3256, 0.4078



12.9885, 0.4989, 0.4380



9.3060, 0.3270, 0.4190



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.



20.1986, 0.3240, 0.5775



35.3565, 0.3211, 0.5832



19.4330, 0.2969, 0.5846



6.1211, 0.3169, 0.3513



18.0559, 0.3228, 0.5819



0.1844, 0.3570, 0.5548

Inverse Universe

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



4.2863, 0.2344, 0.1086



7.1059, 0.2294, 0.1038



7.3667, 0.3506, 0.1724



5.4121, 0.3082, 0.3069



3.6772, 0.2315, 0.1049



0.0478, 0.2733, 0.1279

Previews

White Background



This preview shows how the Yxy color 20.1977, 0.3240, 0.5775 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



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 20.1977, 0.3240, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 20.1977, 0.3240, 0.5775.



This preview shows how white text looks on a background with the Yxy color 20.1977, 0.3240, 0.5775.

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

20.1977, 0.3240, 0.5775

Protanopia

19.9043, 0.4391, 0.4895

Deuteranopia

19.7849, 0.4583, 0.4508



Tritanopia

20.1480, 0.2505, 0.3072

Trichromacy



Original Color

20.1977, 0.3240, 0.5775

Protanomaly

19.4882, 0.3903, 0.5270

Deuteranomaly

18.8978, 0.4037, 0.5018

Tritanomaly

19.7382, 0.2872, 0.4238

Monochromacy



Original Color

20.1977, 0.3240, 0.5775

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.8154, 0.3303, 0.4459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1977, 0.3240, 0.5775 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(56, 142, 5)` looks like.

```
.text, #text, p{  
    color:rgb(56, 142, 5)  
}
```

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(56, 142, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 142, 5) }
```

Border

The CSS property to change the border of an element to Yxy 20.1977, 0.3240, 0.5775 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(56, 142, 5) }
```

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

```
.border{ border-color:rgb(56, 142, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 142, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 142, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 142, 5);  
box-shadow:4px 4px 4px 4px rgb(56, 142, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1977, 0.3240, 0.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 142, 5) }
```

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

```
.background{ background-color: rgb(56, 142,  
5) }
```

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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