

Converting Colors

$Y_{xy}(20.2046, 0.3536, 0.6151)$

Have a look what the booklet for
Yxy(20.2046, 0.3536, 0.6151)
contains.

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Color

Yxy(20.3518, 0.3376, 0.5701)

Conversions

Conversions Part 1

Format	Color
Hex	468D00
RGB	70, 141, 0
RGB Percent	27%, 55%, 0%
CMY	0.7254, 0.4471, 0.9997
CMYK	0.50, 0.00, 1.00, 0.45
HSL	90°, 100%, 28%
HSV	90°, 100%, 55%
XYZ	12.0519, 20.3518, 3.2950
YIQ	103.6970, 2.9450, -58.9030

Conversions

Conversions Part 2

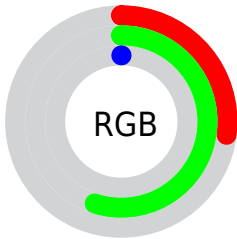
Format	Color
RYB	0, 141, 71
Decimal	4623616
CIELab	52.23, -42.91, 55.32
CIELCh	52, 70.011, 127.802
Yxy	20.3518, 0.3376, 0.5701
Android (android.graphics.Color)	4282813696 (0xFF468D00)
YUV	103.6970, -51.1226, -29.5523
Hunter-Lab	45.1130, -31.2617, 27.2486

Details

The Yxy color **20.3518, 0.3376, 0.5701** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2666, 0.2052, 0.0904**, and the grayscale version is **13.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8832, 0.3413, 0.5136**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.3511, 0.3376, 0.5702**, and if you desaturate by 10%, it is **20.6647, 0.3418, 0.5573**.

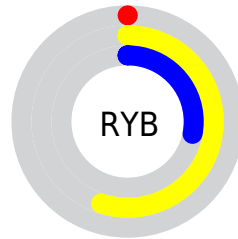
Distribution



Red (27%)

Green (55%)

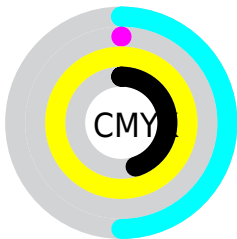
Blue (0%)



Red (0%)

Yellow (55%)

Blue (28%)

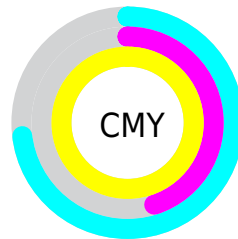


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (73%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3518, 0.3376, 0.5701 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 20.3518, 0.3376, 0.5701 by changing the saturation by 10% instead.


 20.3518, 0.3376,
0.5701


 20.3518, 0.3376,
0.5701


 253.8133, 0.3351,
0.4285


 12.6510, 0.3302,
0.6097

 44.0062, 0.3413,
0.5143


 7.1887, 0.3215,
0.6768


 60.7287, 0.3411,
0.4945


 3.5804, 0.2777,
0.7223

 81.2271, 0.3403,
0.4783

 1.4417, 0.1425,
0.8575

 105.8860, 0.3394,
0.4649

 0.2472, 0.0000,
1.0000


 135.0896, 0.3383,
0.4536


 0.0000, 0.0000,
0.0000


 169.2224, 0.3372,

0.4439


 208.6689, 0.3361,
0.4357


 20.3518, 0.3376,
0.5701


 20.3518, 0.3376,
0.5701


 20.3511, 0.3376,
0.5702

 20.6647, 0.3418,
0.5573

 21.0300, 0.3447,
0.5404

 21.4603, 0.3456,
0.5187

 21.9604, 0.3444,
0.4932

 22.5346, 0.3414,
0.4652

■ 23.1867, 0.3370,
0.4362

■ 23.9203, 0.3316,
0.4073

■ 24.7386, 0.3255,
0.3794

■ 25.6446, 0.3191,
0.3531

Harmonies

Analogous

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



20.3518, 0.4447, 0.5164



20.3518, 0.3376, 0.5701



20.3518, 0.2301, 0.5109

Triad

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



20.3518, 0.3376, 0.5701



20.3518, 0.1240, 0.1730



20.3518, 0.4929, 0.2747

Complementary

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



20.3518, 0.3376, 0.5701



3.2666, 0.2052, 0.0904

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.



20.3518, 0.3654, 0.2115



20.3518, 0.3376, 0.5701



20.3518, 0.1629, 0.1558

Square

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



20.3518, 0.3376, 0.5701



20.3518, 0.1190, 0.2338



20.3518, 0.2428, 0.1698



20.3518, 0.5548, 0.3481

Rectangle

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



20.3518, 0.3376, 0.5701



20.3518, 0.1727, 0.4104



20.3518, 0.2428, 0.1698



20.3518, 0.4544, 0.2520

Sweetspot

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



20.3527, 0.3376, 0.5701



42.7409, 0.3320, 0.4093



10.1109, 0.5374, 0.4114



9.4349, 0.3341, 0.4199



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.



20.3527, 0.3376, 0.5701



36.3453, 0.3361, 0.5713



19.0504, 0.3000, 0.5999



6.1526, 0.3186, 0.3512



18.5658, 0.3378, 0.5700



0.1906, 0.3719, 0.5429

Inverse Universe

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



3.2666, 0.2052, 0.0904



5.7440, 0.2031, 0.0892



7.5875, 0.3209, 0.1542



5.3801, 0.3063, 0.3068



2.9851, 0.2055, 0.0906



0.0416, 0.2541, 0.1174

Previews

White Background



This preview shows how the Yxy color 20.3518, 0.3376, 0.5701 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 20.3518, 0.3376, 0.5701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

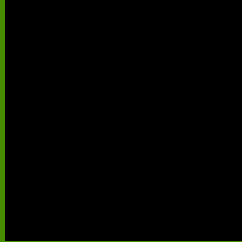
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3518, 0.3376, 0.5701

Background



This preview shows how black text looks on a background with the Yxy color 20.3518, 0.3376, 0.5701.



This preview shows how white text looks on a background with the Yxy color 20.3518, 0.3376, 0.5701.

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

20.3518, 0.3376, 0.5701

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

20.1135, 0.4587, 0.4521



Tritanopia

20.3094, 0.2592, 0.3075

Trichromacy



Original Color

20.3518, 0.3376, 0.5701

Protanomaly

19.6101, 0.3998, 0.5208

Deuteranomaly

19.3254, 0.4130, 0.4979

Tritanomaly

19.8600, 0.3001, 0.4260

Monochromacy



Original Color

20.3518, 0.3376, 0.5701

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.3912, 0.3393, 0.4441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3518, 0.3376, 0.5701 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(70, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 141, 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(70, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3518, 0.3376, 0.5701 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(70, 141, 0) }
```

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

```
.border{ border-color:rgb(70, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(70, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 141, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3518, 0.3376, 0.5701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 141, 0) }
```

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

```
.background{ background-color: rgb(70, 141,  
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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