

Converting Colors

$Y_{xy}(20.3322, 0.3431, 0.5658)$

Have a look what the booklet for
Yxy(20.3322, 0.3431, 0.5658)
contains.

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Color

$Y_{xy}(20.2520, 0.3431, 0.5658)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4B8C00 |
| RGB | 75, 140, 0 |
| RGB Percent | 29%, 55%, 0% |
| CMY | 0.7058, 0.4510, 1.0000 |
| CMYK | 0.46, 0.00, 1.00, 0.45 |
| HSL | 88°, 100%, 27% |
| HSV | 88°, 100%, 55% |
| XYZ | 12.2808, 20.2520, 3.2608 |
| YIQ | 104.6050, 6.2000, -57.3200 |

Conversions

Conversions Part 2

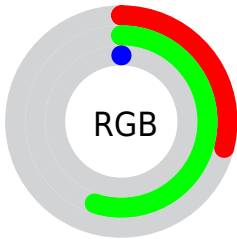
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 140, 65 |
| Decimal | 4951040 |
| CIELab | 52.12, -40.85, 55.34 |
| CIELCh | 52, 68.786, 126.433 |
| Yxy | 20.2520, 0.3431, 0.5658 |
| Android (android.graphics.Color) | 4283141120 (0xFF4B8C00) |
| YUV | 104.6050, -51.5703, -25.9636 |
| Hunter-Lab | 45.0022, -30.0426, 27.2055 |

Details

The Yxy color **20.2520, 0.3431, 0.5658** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0166, 0.1977, 0.0863**, and the grayscale version is **14.1566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7346, 0.3454, 0.5119**, and **7.2303, 0.3072, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **20.2529, 0.3431, 0.5658**, and if you desaturate by 10%, it is **20.5603, 0.3470, 0.5533**.

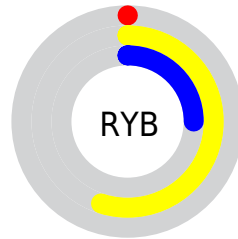
Distribution



Red (29%)

Green (55%)

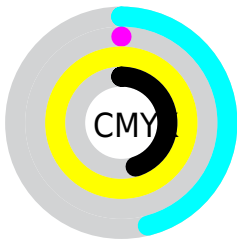
Blue (0%)



Red (0%)

Yellow (55%)

Blue (25%)

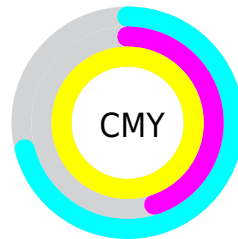


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (71%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2520, 0.3431, 0.5658 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 20.2520, 0.3431, 0.5658 by changing the saturation by 10% instead.


 20.2520, 0.3431,
0.5658


 20.2520, 0.3431,
0.5658


253.2761, 0.3373,
0.4272

 12.5784, 0.3367,
0.6043


 43.8393, 0.3455,
0.5114


 7.1389, 0.3298,
0.6700


 60.5217, 0.3448,
0.4920


 3.5491, 0.2873,
0.7127

 80.9758, 0.3437,
0.4761

 1.4247, 0.1634,
0.8366

 105.5861, 0.3424,
0.4629


 0.2348, 0.0000,
1.0000


 134.7368, 0.3410,
0.4518


 0.0000, 0.0000,
0.0000


 168.8125, 0.3397,

0.4424


 208.1975, 0.3385,
0.4343

 20.2520, 0.3431,
0.5658


 20.2520, 0.3431,
0.5658


 20.2529, 0.3431,
0.5658

 20.5603, 0.3470,
0.5533

 20.9156, 0.3495,
0.5370

 21.3304, 0.3499,
0.5160

 21.8092, 0.3482,
0.4911

 22.3560, 0.3446,
0.4638

■ 22.9743, 0.3396,
0.4354

■ 23.6675, 0.3335,
0.4069

■ 24.4385, 0.3268,
0.3793

■ 25.2901, 0.3198,
0.3532

Harmonies

Analogous

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



20.2520, 0.4484, 0.5110



20.2520, 0.3431, 0.5658



20.2520, 0.2361, 0.5130

Triad

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



20.2520, 0.3431, 0.5658



20.2520, 0.1250, 0.1767



20.2520, 0.4854, 0.2726

Complementary

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



20.2520, 0.3431, 0.5658



3.0166, 0.1977, 0.0863

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.



20.2520, 0.3586, 0.2105



20.2520, 0.3431, 0.5658



20.2520, 0.1621, 0.1578

Square

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



20.2520, 0.3431, 0.5658



20.2520, 0.1217, 0.2396



20.2520, 0.2393, 0.1703



20.2520, 0.5506, 0.3451

Rectangle

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



20.2520, 0.3431, 0.5658



20.2520, 0.1780, 0.4164



20.2520, 0.2393, 0.1703



20.2520, 0.4466, 0.2502

Sweetspot

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



20.2529, 0.3431, 0.5658



41.6455, 0.3339, 0.4087



9.1305, 0.5518, 0.4001



9.4883, 0.3362, 0.4192



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.



20.2529, 0.3431, 0.5658



35.6104, 0.3417, 0.5669



18.8014, 0.3015, 0.5988



5.7315, 0.3192, 0.3511



18.0074, 0.3434, 0.5655



0.1283, 0.3764, 0.5394

Inverse Universe

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



3.0166, 0.1977, 0.0863



5.2246, 0.1957, 0.0852



6.8800, 0.3087, 0.1474



4.9986, 0.3058, 0.3069



2.6919, 0.1982, 0.0866



0.0265, 0.2476, 0.1137

Previews

White Background



This preview shows how the Yxy color 20.2520, 0.3431, 0.5658 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 20.2520, 0.3431, 0.5658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

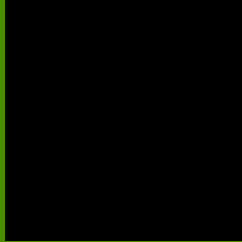
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2520, 0.3431, 0.5658

Background



This preview shows how black text looks on a background with the Yxy color 20.2520, 0.3431, 0.5658.



This preview shows how white text looks on a background with the Yxy color 20.2520, 0.3431, 0.5658.

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

20.2520, 0.3431, 0.5658

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

19.8743, 0.4607, 0.4515



Tritanopia

20.2155, 0.2634, 0.3077

Trichromacy



Original Color

20.2520, 0.3431, 0.5658

Protanomaly

19.6783, 0.4011, 0.5197

Deuteranomaly

19.2229, 0.4169, 0.4948

Tritanomaly

19.7668, 0.3042, 0.4231

Monochromacy



Original Color

20.2520, 0.3431, 0.5658

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.7418, 0.3405, 0.4427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2520, 0.3431, 0.5658 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(75, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 140, 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(75, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.2520, 0.3431, 0.5658 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(75, 140, 0) }
```

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

```
.border{ border-color:rgb(75, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.2520, 0.3431, 0.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 140, 0) }
```

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

```
.background{ background-color: rgb(75, 140,  
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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