

Converting Colors

$Y_{xy}(20.8357, 0.3427, 0.5661)$

Have a look what the booklet for
Yxy(20.8357, 0.3427, 0.5661)
contains.

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Color

Yxy(20.8825, 0.3429, 0.5659)

Conversions

Conversions Part 1

Format	Color
Hex	4C8E00
RGB	76, 142, 0
RGB Percent	30%, 56%, 0%
CMY	0.7020, 0.4431, 0.9997
CMYK	0.46, 0.00, 1.00, 0.44
HSL	88°, 100%, 28%
HSV	88°, 100%, 56%
XYZ	12.6535, 20.8825, 3.3654
YIQ	106.0780, 6.2460, -58.1540

Conversions

Conversions Part 2

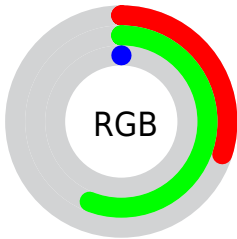
Format	Color
RYB	0, 142, 66
Decimal	5017088
CIELab	52.82, -41.33, 55.89
CIELCh	53, 69.515, 126.486
Yxy	20.8825, 0.3429, 0.5659
Android (android.graphics.Color)	4283207168 (0xFF4C8E00)
YUV	106.0780, -52.2965, -26.3784
Hunter-Lab	45.6974, -30.5442, 27.6217

Details

The Yxy color **20.8825, 0.3429, 0.5659** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1153, 0.1978, 0.0864**, and the grayscale version is **14.5828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8027, 0.3458, 0.5113**, and **7.5755, 0.3075, 0.5940** is the 20% darker color. If you saturate the color by 10%, you get **20.8820, 0.3429, 0.5660**, and if you desaturate by 10%, it is **21.2002, 0.3469, 0.5535**.

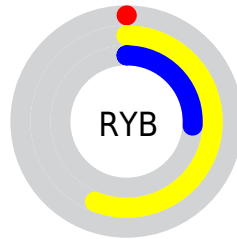
Distribution



Red (30%)

Green (56%)

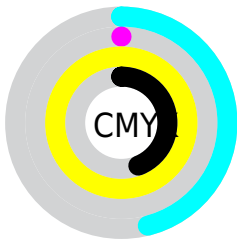
Blue (0%)



Red (0%)

Yellow (56%)

Blue (26%)

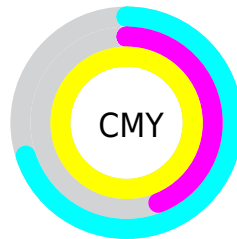


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (70%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8825, 0.3429, 0.5659 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 20.8825, 0.3429, 0.5659 by changing the saturation by 10% instead.


 20.8825, 0.3429,
0.5659


 20.8825, 0.3429,
0.5659


256.6534, 0.3373,
0.4278


 13.0381, 0.3366,
0.6040


 44.8919, 0.3454,
0.5119

 7.4548, 0.3289,
0.6668


 61.8257, 0.3447,
0.4926


 3.7481, 0.2886,
0.7114

 82.5582, 0.3436,
0.4767

 1.5337, 0.1814,
0.8186

 107.4736, 0.3423,
0.4636


 0.3123, 0.0000,
1.0000


 136.9565, 0.3410,
0.4525

 0.0000, 0.0000,
0.0000


 171.3911, 0.3397,


0.4430

 211.1620, 0.3385,
0.4349


 20.8825, 0.3429,
0.5659


 20.8825, 0.3429,
0.5659


 20.8820, 0.3429,
0.5660

 21.2002, 0.3469,
0.5535

 21.5669, 0.3494,
0.5372

 21.9953, 0.3498,
0.5161

 22.4899, 0.3481,
0.4913

 23.0549, 0.3445,
0.4639

■ 23.6940, 0.3395,
0.4354

■ 24.4106, 0.3335,
0.4069

■ 25.2078, 0.3268,
0.3792

■ 26.0886, 0.3197,
0.3531

Harmonies

Analogous

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



20.8825, 0.4483, 0.5111



20.8825, 0.3429, 0.5659



20.8825, 0.2359, 0.5129

Triad

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



20.8825, 0.3429, 0.5659



20.8825, 0.1250, 0.1766



20.8825, 0.4856, 0.2727

Complementary

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



20.8825, 0.3429, 0.5659



3.1153, 0.1978, 0.0864

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.



20.8825, 0.3589, 0.2106



20.8825, 0.3429, 0.5659



20.8825, 0.1621, 0.1577

Square

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



20.8825, 0.3429, 0.5659



20.8825, 0.1216, 0.2394



20.8825, 0.2394, 0.1703



20.8825, 0.5507, 0.3452

Rectangle

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



20.8825, 0.3429, 0.5659



20.8825, 0.1778, 0.4161



20.8825, 0.2394, 0.1703



20.8825, 0.4468, 0.2503

Sweetspot

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



20.8834, 0.3429, 0.5659



42.9549, 0.3339, 0.4088



9.4110, 0.5519, 0.3999



9.4871, 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.



20.8834, 0.3429, 0.5659



36.7238, 0.3415, 0.5670



19.3933, 0.3015, 0.5988



6.1625, 0.3192, 0.3512



18.7591, 0.3432, 0.5657



0.1925, 0.3763, 0.5394

Inverse Universe

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



3.1153, 0.1978, 0.0864



5.3932, 0.1958, 0.0852



7.0977, 0.3087, 0.1474



5.3702, 0.3058, 0.3068



2.8054, 0.1982, 0.0866



0.0397, 0.2477, 0.1138

Previews

White Background



This preview shows how the Yxy color 20.8825, 0.3429, 0.5659 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 20.8825, 0.3429, 0.5659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

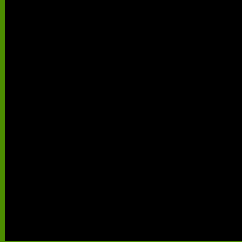
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8825, 0.3429, 0.5659

Background



This preview shows how black text looks on a background with the Yxy color 20.8825, 0.3429, 0.5659.



This preview shows how white text looks on a background with the Yxy color 20.8825, 0.3429, 0.5659.

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

20.8825, 0.3429, 0.5659

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.5515, 0.4598, 0.4517



Tritanopia

20.8654, 0.2630, 0.3079

Trichromacy



Original Color

20.8825, 0.3429, 0.5659

Protanomaly

20.3541, 0.4013, 0.5195

Deuteranomaly

19.8116, 0.4157, 0.4961

Tritanomaly

20.3899, 0.3042, 0.4241

Monochromacy



Original Color

20.8825, 0.3429, 0.5659

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.0318, 0.3414, 0.4439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8825, 0.3429, 0.5659 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(76, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8825, 0.3429, 0.5659 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(76, 142, 0) }
```

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

```
.border{ border-color:rgb(76, 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(76, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8825, 0.3429, 0.5659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 142, 0) }
```

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

```
.background{ background-color: rgb(76, 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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