

Converting Colors

$Y_{xy}(21.7467, 0.3403, 0.5680)$

Have a look what the booklet for
Yxy(21.7467, 0.3403, 0.5680)
contains.

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Color

Yxy(21.7467, 0.3403, 0.5680)

Conversions

Conversions Part 1

Format	Color
Hex	4B9100
RGB	75, 145, 0
RGB Percent	29%, 57%, 0%
CMY	0.7058, 0.4314, 1.0000
CMYK	0.48, 0.00, 1.00, 0.43
HSL	89°, 100%, 28%
HSV	89°, 100%, 57%
XYZ	13.0289, 21.7467, 3.5109
YIQ	107.5400, 4.8250, -59.9350

Conversions

Conversions Part 2

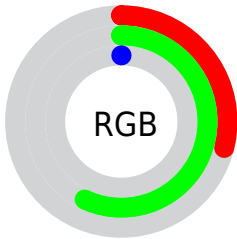
Format	Color
RYB	0, 145, 70
Decimal	4952320
CIELab	53.76, -42.87, 56.61
CIElCh	54, 71.015, 127.135
Yxy	21.7467, 0.3403, 0.5680
Android (android.graphics.Color)	4283142400 (0xFF4B9100)
YUV	107.5400, -53.0172, -28.5376
Hunter-Lab	46.6334, -31.7373, 28.1796

Details

The Yxy color **21.7467, 0.3403, 0.5680** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3459, 0.2009, 0.0880**, and the grayscale version is **15.0137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5635, 0.3430, 0.5138**, and **8.0635, 0.3044, 0.5965** is the 20% darker color. If you saturate the color by 10%, you get **21.7474, 0.3403, 0.5680**, and if you desaturate by 10%, it is **22.0787, 0.3445, 0.5555**.

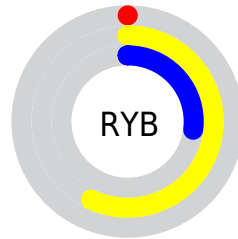
Distribution



Red (29%)

Green (57%)

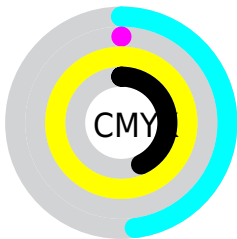
Blue (0%)



Red (0%)

Yellow (57%)

Blue (27%)

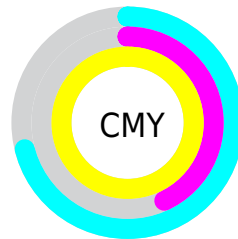


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (71%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7467, 0.3403, 0.5680 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 21.7467, 0.3403, 0.5680 by changing the saturation by 10% instead.


 21.7467, 0.3403,
0.5680

 21.7467, 0.3403,
0.5680


261.2206, 0.3364,
0.4292


 13.6709, 0.3336,
0.6060


 46.3270, 0.3434,
0.5139


 7.8921, 0.3244,
0.6663


 63.6003, 0.3430,
0.4945

 4.0260, 0.2861,
0.7139

 84.7082, 0.3421,
0.4786

 1.6881, 0.1919,
0.8081

 110.0351, 0.3410,
0.4653


 0.4159, 0.0000,
1.0000

 139.9654, 0.3398,
0.4541

 0.0000, 0.0000,
0.0000

 174.8834, 0.3386,


0.4446


 215.1737, 0.3375,
0.4364


 21.7467, 0.3403,
0.5680


 21.7467, 0.3403,
0.5680

 21.7474, 0.3403,
0.5680

 22.0787, 0.3445,
0.5555

 22.4644, 0.3472,
0.5391

 22.9168, 0.3479,
0.5178

 23.4409, 0.3464,
0.4926

 24.0412, 0.3432,
0.4649

■ 24.7218, 0.3384,
0.4361

■ 25.4862, 0.3327,
0.4074

■ 26.3378, 0.3262,
0.3795

■ 27.2799, 0.3195,
0.3533

Harmonies

Analogous

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



21.7467, 0.4466, 0.5137



21.7467, 0.3403, 0.5680



21.7467, 0.2330, 0.5119

Triad

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



21.7467, 0.3403, 0.5680



21.7467, 0.1245, 0.1748



21.7467, 0.4892, 0.2737

Complementary

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



21.7467, 0.3403, 0.5680



3.3459, 0.2009, 0.0880

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.



21.7467, 0.3621, 0.2110



21.7467, 0.3403, 0.5680



21.7467, 0.1625, 0.1568

Square

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



21.7467, 0.3403, 0.5680



21.7467, 0.1203, 0.2366



21.7467, 0.2411, 0.1700



21.7467, 0.5528, 0.3466

Rectangle

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



21.7467, 0.3403, 0.5680



21.7467, 0.1753, 0.4133



21.7467, 0.2411, 0.1700



21.7467, 0.4505, 0.2511

Sweetspot

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



21.7476, 0.3403, 0.5680



45.5514, 0.3331, 0.4092



10.1144, 0.5475, 0.4035



10.0161, 0.3353, 0.4199



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7476, 0.3403, 0.5680



38.8427, 0.3389, 0.5691



20.2818, 0.3010, 0.5992



6.1580, 0.3189, 0.3512



18.6693, 0.3407, 0.5677



0.1916, 0.3743, 0.5410

Inverse Universe

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



3.3459, 0.2009, 0.0880



5.8885, 0.1988, 0.0869



7.6345, 0.3128, 0.1497



5.3747, 0.3060, 0.3068



2.8849, 0.2015, 0.0884



0.0406, 0.2507, 0.1154

Previews

White Background



This preview shows how the Yxy color 21.7467, 0.3403, 0.5680 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 21.7467, 0.3403, 0.5680 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 21.7467, 0.3403, 0.5680

Background



This preview shows how black text looks on a background with the Yxy color 21.7467, 0.3403, 0.5680.



This preview shows how white text looks on a background with the Yxy color 21.7467, 0.3403, 0.5680.

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

21.7467, 0.3403, 0.5680

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.3405, 0.4606, 0.4518



Tritanopia

21.7830, 0.2613, 0.3082

Trichromacy



Original Color

21.7467, 0.3403, 0.5680

Protanomaly

20.9721, 0.4003, 0.5204

Deuteranomaly

20.7548, 0.4146, 0.4975

Tritanomaly

21.2818, 0.3023, 0.4249

Monochromacy



Original Color

21.7467, 0.3403, 0.5680

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.5912, 0.3397, 0.4426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7467, 0.3403, 0.5680 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, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 145, 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, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7467, 0.3403, 0.5680 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, 145, 0) }
```

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

```
.border{ border-color:rgb(75, 145, 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, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7467, 0.3403, 0.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 145, 0) }
```

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

```
.background{ background-color: rgb(75, 145,  
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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