

Converting Colors

$Y_{xy}(22.5276, 0.3304, 0.5292)$

Have a look what the booklet for
Yxy(22.5276, 0.3304, 0.5292)
contains.

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Color

Yxy(22.4451, 0.3307, 0.5286)

Conversions

Conversions Part 1

Format	Color
Hex	50922C
RGB	80, 146, 44
RGB Percent	31%, 57%, 17%
CMY	0.6863, 0.4274, 0.8275
CMYK	0.45, 0.00, 0.70, 0.43
HSL	99°, 54%, 37%
HSV	99°, 70%, 57%
XYZ	14.0420, 22.4451, 5.9743
YIQ	114.6380, -6.5940, -45.7140

Conversions

Conversions Part 2

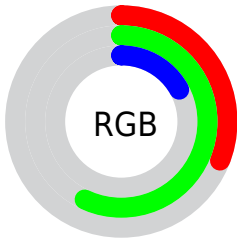
Format	Color
R_{YB}	44, 146, 110
Decimal	5280300
CIE _{Lab}	54.50, -39.54, 45.55
CIE _{LCh}	54, 60.315, 130.962
Yxy	22.4451, 0.3307, 0.5286
Android (android.graphics.Color)	4283470380 (0xFF50922C)
YUV	114.6380, -34.8245, -30.3775
Hunter-Lab	47.3763, -30.0023, 25.6867

Details

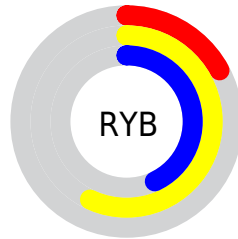
The Yxy color **22.4451, 0.3307, 0.5286** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.1909, 0.2628, 0.1510**, and the grayscale version is **17.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6678, 0.3320, 0.4827**, and **8.3438, 0.3116, 0.5908** is the 20% darker color. If you saturate the color by 10%, you get **21.9722, 0.3286, 0.5523**, and if you desaturate by 10%, it is **23.0164, 0.3312, 0.5008**.

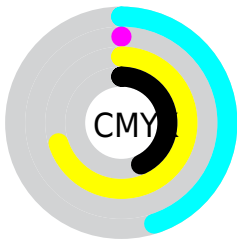
Distribution



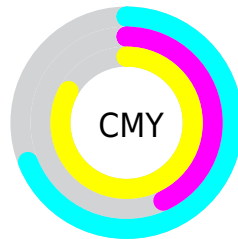
- Red (31%)
- Green (57%)
- Blue (17%)



- Red (17%)
- Yellow (57%)
- Blue (43%)



- Cyan (45%)
- Magenta (0%)
- Yellow (70%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4451, 0.3307, 0.5286 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 22.4451, 0.3307, 0.5286 by changing the saturation by 10% instead.


 22.4451, 0.3307,
0.5286


 22.4451, 0.3307,
0.5286


264.8620, 0.3276,
0.4113


 14.1843, 0.3270,
0.5634


 47.4806, 0.3322,
0.4816

 8.2490, 0.3178,
0.6102

 65.0240, 0.3318,
0.4653


 4.2547, 0.3055,
0.6945

 86.4305, 0.3312,
0.4520

 1.8170, 0.2356,
0.7644

 112.0844, 0.3305,
0.4410

 0.4977, 0.0000,
1.0000

 142.3701, 0.3298,
0.4317

 0.0000, 0.0000,
0.0000

 177.6720, 0.3290,

0.4239

218.3745, 0.3283,
0.4171

■ 22.4451, 0.3307,
0.5286

■ 22.4451, 0.3307,
0.5286

■ 21.9722, 0.3286,
0.5523

■ 23.0164, 0.3312,
0.5008

■ 21.5881, 0.3249,
0.5704

■ 23.6891, 0.3302,
0.4705

■ 21.2802, 0.3204,
0.5837

■ 24.4695, 0.3279,
0.4395

■ 21.2765, 0.3203,
0.5839

■ 25.3626, 0.3248,
0.4090

■ 26.3730, 0.3210,
0.3800

■ 27.5050, 0.3169,
0.3532

■ 28.7628, 0.3127,
0.3287

■ 30.1502, 0.3084,
0.3067

■ 31.6709, 0.3043,
0.2870

Harmonies

Analogous

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



22.4451, 0.4248, 0.5016



22.4451, 0.3307, 0.5286



22.4451, 0.2369, 0.4650

Triad

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



22.4451, 0.3307, 0.5286



22.4451, 0.1487, 0.1912



22.4451, 0.4727, 0.2915

Complementary

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



22.4451, 0.3307, 0.5286



7.1909, 0.2628, 0.1510

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.



22.4451, 0.3703, 0.2326



22.4451, 0.3307, 0.5286



22.4451, 0.1882, 0.1772

Square

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



22.4451, 0.3307, 0.5286



22.4451, 0.1418, 0.2428



22.4451, 0.2638, 0.1923



22.4451, 0.5199, 0.3598

Rectangle

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



22.4451, 0.3307, 0.5286



22.4451, 0.1878, 0.3838



22.4451, 0.2638, 0.1923



22.4451, 0.4424, 0.2704

Sweetspot

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



22.4461, 0.3307, 0.5286



46.2316, 0.3216, 0.3844



17.1451, 0.4474, 0.4326



10.1858, 0.3226, 0.3914



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.



22.4461, 0.3307, 0.5286



38.3464, 0.3266, 0.5636



21.3953, 0.2951, 0.5230



6.5621, 0.3166, 0.3515



18.7343, 0.3207, 0.5836



0.2447, 0.3545, 0.5567

Inverse Universe

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



7.1909, 0.2628, 0.1510



9.5652, 0.2480, 0.1232



9.5892, 0.3426, 0.1938



5.8078, 0.3084, 0.3068



3.9546, 0.2357, 0.1072



0.0649, 0.2761, 0.1295

Previews

White Background



This preview shows how the Yxy color 22.4451, 0.3307, 0.5286 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 22.4451, 0.3307, 0.5286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

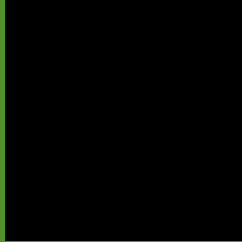
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4451, 0.3307, 0.5286

Background



This preview shows how black text looks on a background with the Yxy color 22.4451, 0.3307, 0.5286.



This preview shows how white text looks on a background with the Yxy color 22.4451, 0.3307, 0.5286.

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

22.4451, 0.3307, 0.5286

Protanopia

22.1382, 0.4228, 0.4670

Deuteranopia

21.9909, 0.4418, 0.4337



Tritanopia

22.2563, 0.2633, 0.3085

Trichromacy



Original Color

22.4451, 0.3307, 0.5286

Protanomaly

21.8334, 0.3855, 0.4925

Deuteranomaly

21.3599, 0.3987, 0.4683

Tritanomaly

22.1061, 0.2908, 0.3895

Monochromacy



Original Color

22.4451, 0.3307, 0.5286

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.4678, 0.3244, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4451, 0.3307, 0.5286 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(80, 146, 44)` looks like.

```
.text, #text, p{  
    color:rgb(80, 146, 44)  
}
```

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(80, 146, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 146, 44) }
```

Border

The CSS property to change the border of an element to Yxy 22.4451, 0.3307, 0.5286 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(80, 146, 44) }
```

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

```
.border{ border-color:rgb(80, 146, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 146, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 146, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 146, 44);  
box-shadow:4px 4px 4px 4px rgb(80, 146,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4451, 0.3307, 0.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 146, 44) }
```

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

```
.background{ background-color: rgb(80, 146,  
44) }
```

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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