

Converting Colors

$Y_{xy}(22.3724, 0.3449, 0.5402)$

Have a look what the booklet for
Yxy(22.3724, 0.3449, 0.5402)
contains.

Yxy(22.3657, 0.3451, 0.5406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3657, 0.3451, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	57911D
RGB	87, 145, 29
RGB Percent	34%, 57%, 11%
CMY	0.6588, 0.4314, 0.8861
CMYK	0.40, 0.00, 0.80, 0.43
HSL	90°, 67%, 34%
HSV	90°, 80%, 57%
XYZ	14.2775, 22.3657, 4.7288
YIQ	114.4340, 2.6680, -48.3720

Conversions

Conversions Part 2

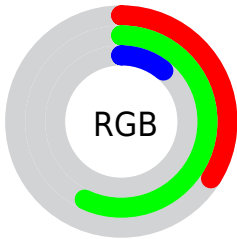
Format	Color
R_{YB}	29, 145, 87
Decimal	5738781
CIE _{Lab}	54.41, -37.71, 51.10
CIE _{LCh}	54, 63.510, 126.427
Yxy	22.3657, 0.3451, 0.5406
Android (android.graphics.Color)	4283928861 (0xFF57911D)
YUV	114.4340, -42.1190, -24.0596
Hunter-Lab	47.2924, -28.8729, 27.1762

Details

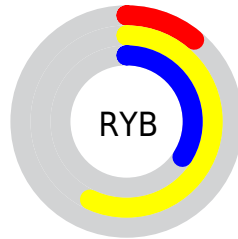
The Yxy color **22.3657, 0.3451, 0.5406** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.9533, 0.2276, 0.1188**, and the grayscale version is **17.0944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2222, 0.3455, 0.4923**, and **8.2967, 0.3211, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **21.9792, 0.3422, 0.5573**, and if you desaturate by 10%, it is **22.8230, 0.3459, 0.5190**.

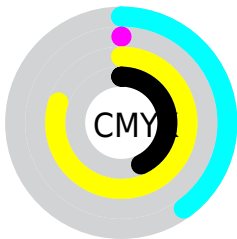
Distribution



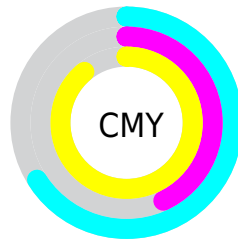
- Red (34%)
- Green (57%)
- Blue (11%)



- Red (11%)
- Yellow (57%)
- Blue (34%)



- Cyan (40%)
- Magenta (0%)
- Yellow (80%)
- Black (43%)




- Cyan (66%)
- Magenta (43%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3657, 0.3451, 0.5406 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 22.3657, 0.3451, 0.5406 by changing the saturation by 10% instead.


 22.3657, 0.3451,
0.5406


 22.3657, 0.3451,
0.5406


264.4501, 0.3356,
0.4178

 14.1259, 0.3420,
0.5753


 47.3497, 0.3448,
0.4923

 8.2083, 0.3339,
0.6224

 64.8626, 0.3436,
0.4752


 4.2285, 0.3137,
0.6863

 86.2354, 0.3422,
0.4612

 1.8022, 0.2485,
0.7515

 111.8523, 0.3407,
0.4495

 0.4885, 0.0000,
1.0000

 142.0979, 0.3393,
0.4397

 0.0000, 0.0000,
0.0000

 177.3564, 0.3380,

0.4314

218.0124, 0.3368,
0.4241

22.3657, 0.3451,
0.5406

22.3657, 0.3451,
0.5406

21.9792, 0.3422,
0.5573

22.8230, 0.3459,
0.5190

21.6484, 0.3379,
0.5699

23.3534, 0.3447,
0.4935

21.6477, 0.3379,
0.5699

23.9624, 0.3417,
0.4655

24.6541, 0.3373,
0.4365

25.4322, 0.3318,
0.4075

■ 26.3002, 0.3257,
0.3796

■ 27.2615, 0.3192,
0.3533

■ 28.3190, 0.3127,
0.3289

■ 29.4756, 0.3063,
0.3067

Harmonies

Analogous

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



22.3657, 0.4413, 0.4986



22.3657, 0.3451, 0.5406



22.3657, 0.2459, 0.4901

Triad

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



22.3657, 0.3451, 0.5406



22.3657, 0.1391, 0.1902



22.3657, 0.4675, 0.2790

Complementary

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



22.3657, 0.3451, 0.5406



4.9533, 0.2276, 0.1188

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.



22.3657, 0.3549, 0.2206



22.3657, 0.3451, 0.5406



22.3657, 0.1744, 0.1712

Square

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



22.3657, 0.3451, 0.5406



22.3657, 0.1367, 0.2501



22.3657, 0.2467, 0.1827



22.3657, 0.5277, 0.3481

Rectangle

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



22.3657, 0.3451, 0.5406



22.3657, 0.1916, 0.4071



22.3657, 0.2467, 0.1827



22.3657, 0.4330, 0.2579

Sweetspot

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



22.3667, 0.3451, 0.5406



46.3739, 0.3285, 0.3921



12.9284, 0.4924, 0.4158



10.2074, 0.3304, 0.4010



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.



22.3667, 0.3451, 0.5406



38.8841, 0.3385, 0.5668



20.6025, 0.3013, 0.5719



6.1534, 0.3187, 0.3512



18.5825, 0.3383, 0.5696



0.1907, 0.3723, 0.5426

Inverse Universe

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



4.9533, 0.2276, 0.1188



6.4308, 0.2065, 0.0930



8.9449, 0.3203, 0.1663



5.3792, 0.3063, 0.3068



2.9683, 0.2048, 0.0902



0.0415, 0.2536, 0.1170

Previews

White Background



This preview shows how the Yxy color 22.3657, 0.3451, 0.5406 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 22.3657, 0.3451, 0.5406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

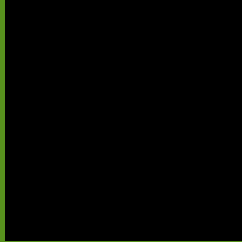
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3657, 0.3451, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 22.3657, 0.3451, 0.5406.



This preview shows how white text looks on a background with the Yxy color 22.3657, 0.3451, 0.5406.

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

22.3657, 0.3451, 0.5406

Protanopia

22.1464, 0.4322, 0.4783

Deuteranopia

22.0005, 0.4524, 0.4450



Tritanopia

22.2868, 0.2693, 0.3087

Trichromacy



Original Color

22.3657, 0.3451, 0.5406

Protanomaly

21.7625, 0.3994, 0.5022

Deuteranomaly

21.5109, 0.4114, 0.4803

Tritanomaly

21.9859, 0.3031, 0.4012

Monochromacy



Original Color

22.3657, 0.3451, 0.5406

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.2348, 0.3336, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3657, 0.3451, 0.5406 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(87, 145, 29)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 29)  
}
```

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(87, 145, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.3657, 0.3451, 0.5406 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(87, 145, 29) }
```

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

```
.border{ border-color:rgb(87, 145, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 29);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3657, 0.3451, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 29) }
```

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

```
.background{ background-color: rgb(87, 145,  
29) }
```

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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