

Converting Colors

$Y_{xy}(24.4016, 0.3590, 0.5263)$

Have a look what the booklet for
Yxy(24.4016, 0.3590, 0.5263)
contains.

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Color

Yxy(24.5534, 0.3588, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	689522
RGB	104, 149, 34
RGB Percent	41%, 58%, 13%
CMY	0.5922, 0.4157, 0.8666
CMYK	0.30, 0.00, 0.77, 0.42
HSL	83°, 63%, 36%
HSV	83°, 77%, 58%
XYZ	16.7454, 24.5534, 5.3718
YIQ	122.4350, 10.0950, -45.3050

Conversions

Conversions Part 2

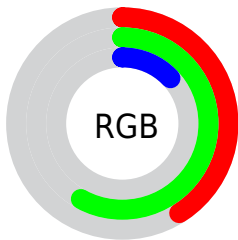
Format	Color
R_{YB}	34, 149, 79
Decimal	6853922
CIE _{Lab}	56.64, -32.79, 51.88
CIE _{LCh}	57, 61.380, 122.295
Yxy	24.5534, 0.3588, 0.5261
Android (android.graphics.Color)	4285044002 (0xFF689522)
YUV	122.4350, -43.5985, -16.1675
Hunter-Lab	49.5514, -26.3926, 28.2584

Details

The Yxy color **24.5534, 0.3588, 0.5261** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.9791, 0.2140, 0.1155**, and the grayscale version is **19.7566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7874, 0.3554, 0.4825**, and **9.4392, 0.3435, 0.5655** is the 20% darker color. If you saturate the color by 10%, you get **24.1492, 0.3577, 0.5425**, and if you desaturate by 10%, it is **25.0212, 0.3576, 0.5052**.

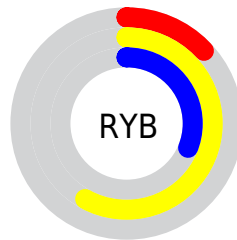
Distribution



Red (41%)

Green (58%)

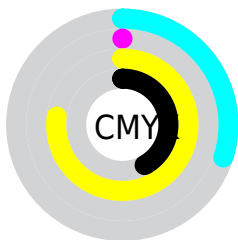
Blue (13%)



Red (13%)

Yellow (58%)

Blue (31%)

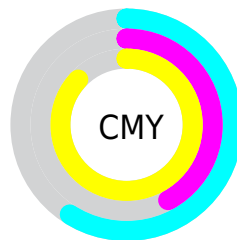


Cyan (30%)

Magenta (0%)

Yellow (77%)

Black (42%)



Cyan (59%)


Magenta (42%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5534, 0.3588, 0.5261 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 24.5534, 0.3588, 0.5261 by changing the saturation by 10% instead.


 24.5534, 0.3588,
0.5261


 24.5534, 0.3588,
0.5261


275.6065, 0.3412,
0.4145


 15.7446, 0.3586,
0.5564


 50.9318, 0.3551,
0.4831


 9.3436, 0.3543,
0.5954


 69.2702, 0.3527,
0.4675

 4.9660, 0.3451,
0.6549

 91.5539, 0.3504,
0.4547

 2.2273, 0.3001,
0.6999

 118.1674, 0.3482,
0.4440

 0.7348, 0.0000,
1.0000

 149.4950, 0.3462,
0.4349

 0.0000, 0.0000,
0.0000

 185.9211, 0.3444,

0.4271

227.8301, 0.3427,
0.4204

■ 24.5534, 0.3588,
0.5261

■ 24.5534, 0.3588,
0.5261

■ 24.1492, 0.3577,
0.5425

■ 25.0212, 0.3576,
0.5052

■ 23.7977, 0.3545,
0.5544

■ 25.5540, 0.3542,
0.4808

■ 23.7038, 0.3535,
0.5575

■ 26.1572, 0.3491,
0.4541

■ 26.8346, 0.3425,
0.4264

■ 27.5894, 0.3349,
0.3986

■ 28.4249, 0.3269,
0.3717

■ 29.3441, 0.3186,
0.3462

■ 30.3498, 0.3104,
0.3225

■ 31.4445, 0.3025,
0.3006

Harmonies

Analogous

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



24.5534, 0.4478, 0.4824



24.5534, 0.3588, 0.5261



24.5534, 0.2633, 0.4907

Triad

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



24.5534, 0.3588, 0.5261



24.5534, 0.1449, 0.2031



24.5534, 0.4452, 0.2739

Complementary

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



24.5534, 0.3588, 0.5261



4.9791, 0.2140, 0.1155

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.



24.5534, 0.3375, 0.2197



24.5534, 0.3588, 0.5261



24.5534, 0.1746, 0.1794

Square

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



24.5534, 0.3588, 0.5261



24.5534, 0.1476, 0.2674



24.5534, 0.2390, 0.1865



24.5534, 0.5115, 0.3397

Rectangle

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



24.5534, 0.3588, 0.5261



24.5534, 0.2084, 0.4193



24.5534, 0.2390, 0.1865



24.5534, 0.4112, 0.2540

Sweetspot

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



24.5545, 0.3588, 0.5261



49.9431, 0.3320, 0.3886



11.9686, 0.5071, 0.3937



10.9620, 0.3346, 0.3975



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.5545, 0.3588, 0.5261



42.7550, 0.3553, 0.5518



22.2263, 0.3087, 0.5610



6.6325, 0.3203, 0.3513



19.9667, 0.3539, 0.5572



0.2615, 0.3842, 0.5332

Inverse Universe

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



4.9791, 0.2140, 0.1155



6.0785, 0.1906, 0.0856



8.5155, 0.2988, 0.1582



5.7370, 0.3046, 0.3065



2.6077, 0.1854, 0.0795



0.0481, 0.2349, 0.1068

Previews

White Background



This preview shows how the Yxy color 24.5534, 0.3588, 0.5261 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 24.5534, 0.3588, 0.5261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

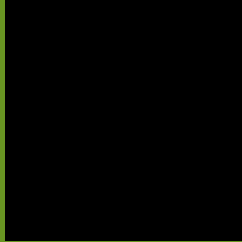
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5534, 0.3588, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 24.5534, 0.3588, 0.5261.



This preview shows how white text looks on a background with the Yxy color 24.5534, 0.3588, 0.5261.

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

24.5534, 0.3588, 0.5261

Protanopia

24.3826, 0.4295, 0.4760

Deuteranopia

24.3099, 0.4511, 0.4449



Tritanopia

24.5188, 0.2806, 0.3098

Trichromacy



Original Color

24.5534, 0.3588, 0.5261

Protanomaly

24.3049, 0.4028, 0.4950

Deuteranomaly

23.7813, 0.4161, 0.4743

Tritanomaly

24.2383, 0.3148, 0.3946

Monochromacy



Original Color

24.5534, 0.3588, 0.5261

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.8856, 0.3376, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5534, 0.3588, 0.5261 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(104, 149, 34)` looks like.

```
.text, #text, p{  
    color:rgb(104, 149, 34)  
}
```

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(104, 149, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 149, 34) }
```

Border

The CSS property to change the border of an element to Yxy 24.5534, 0.3588, 0.5261 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(104, 149, 34) }
```

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

```
.border{ border-color:rgb(104, 149, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 149, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 149, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 149, 34);  
box-shadow:4px 4px 4px 4px rgb(104, 149,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5534, 0.3588, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 149, 34) }
```

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

```
.background{ background-color: rgb(104,  
149, 34) }
```

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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