

Converting Colors

$Y_{xy}(24.5465, 0.3292, 0.4638)$

Have a look what the booklet for
Yxy(24.5465, 0.3292, 0.4638)
contains.

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Color

Yxy(24.5546, 0.3290, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	66944E
RGB	102, 148, 78
RGB Percent	40%, 58%, 31%
CMY	0.6000, 0.4196, 0.6942
CMYK	0.31, 0.00, 0.47, 0.42
HSL	99°, 31%, 44%
HSV	99°, 47%, 58%
XYZ	17.4443, 24.5546, 11.0233
YIQ	126.2660, -4.9460, -31.5220

Conversions

Conversions Part 2

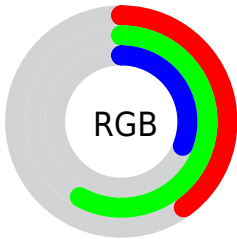
Format	Color
R_{YB}	78, 148, 124
Decimal	6722638
CIE _{Lab}	56.64, -28.95, 32.03
CIE _{LCh}	57, 43.172, 132.115
Yxy	24.5546, 0.3290, 0.4631
Android (android.graphics.Color)	4284912718 (0xFF66944E)
YUV	126.2660, -23.7951, -21.2813
Hunter-Lab	49.5526, -23.8786, 21.4973

Details

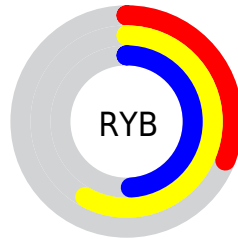
The Yxy color **24.5546, 0.3290, 0.4631** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8671, 0.2839, 0.2057**, and the grayscale version is **21.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7681, 0.3280, 0.4321**, and **9.3521, 0.3265, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **23.8316, 0.3302, 0.4939**, and if you desaturate by 10%, it is **25.3941, 0.3266, 0.4319**.

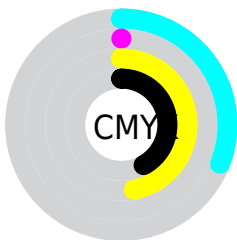
Distribution



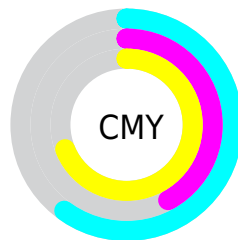
- Red (40%)
- Green (58%)
- Blue (31%)



- Red (31%)
- Yellow (58%)
- Blue (49%)



- Cyan (31%)
- Magenta (0%)
- Yellow (47%)
- Black (42%)



- Cyan (60%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5546, 0.3290, 0.4631 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 24.5546, 0.3290, 0.4631 by changing the saturation by 10% instead.


 24.5546, 0.3290,
0.4631


 24.5546, 0.3290,
0.4631


275.6125, 0.3228,
0.3855


 15.7455, 0.3291,
0.4865


 50.9337, 0.3276,
0.4320


 9.3443, 0.3276,
0.5192


 69.2726, 0.3268,
0.4212


 4.9664, 0.3222,
0.5669

 91.5568, 0.3260,
0.4125

 2.2276, 0.3226,
0.6774

 118.1708, 0.3252,
0.4052

 0.7350, 0.0000,
1.0000

 149.4990, 0.3246,
0.3991

 0.0000, 0.0000,
0.0000

185.9257, 0.3239,

0.3939

227.8354, 0.3234,
0.3894

■ 24.5546, 0.3290,
0.4631

■ 24.5546, 0.3290,
0.4631

■ 23.8316, 0.3302,
0.4939

■ 25.3941, 0.3266,
0.4319

■ 23.2165, 0.3300,
0.5226

■ 26.3521, 0.3235,
0.4016

■ 22.7041, 0.3282,
0.5476


■ 27.4343, 0.3197,
0.3731


■ 22.2877, 0.3249,
0.5673

■ 28.6454, 0.3157,
0.3467

■ 21.9572, 0.3204,
0.5813

■ 29.9896, 0.3116,
0.3228

 21.8790, 0.3192,
0.5847

 31.4710, 0.3075,
0.3014

 33.0934, 0.3036,
0.2823

 34.8606, 0.2998,
0.2654

 36.7762, 0.2962,
0.2505

Harmonies

Analogous

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



24.5546, 0.3978, 0.4571



24.5546, 0.3290, 0.4631



24.5546, 0.2595, 0.4164

Triad

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



24.5546, 0.3290, 0.4631



24.5546, 0.1904, 0.2280



24.5546, 0.4263, 0.3069

Complementary

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



24.5546, 0.3290, 0.4631



11.8671, 0.2839, 0.2057

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.



24.5546, 0.3575, 0.2598



24.5546, 0.3290, 0.4631



24.5546, 0.2232, 0.2156

Square

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



24.5546, 0.3290, 0.4631



24.5546, 0.1849, 0.2688



24.5546, 0.2820, 0.2275



24.5546, 0.4599, 0.3613

Rectangle

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



24.5546, 0.3290, 0.4631



24.5546, 0.2223, 0.3649



24.5546, 0.2820, 0.2275



24.5546, 0.4061, 0.2900

Sweetspot

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



24.5557, 0.3290, 0.4631



49.0282, 0.3185, 0.3648



21.1348, 0.3983, 0.4060



11.0986, 0.3193, 0.3702



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.



24.5557, 0.3290, 0.4631



41.9512, 0.3303, 0.4963



23.5121, 0.2978, 0.4514



6.5594, 0.3165, 0.3515



18.7013, 0.3197, 0.5844



0.2440, 0.3532, 0.5578

Inverse Universe

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



11.8671, 0.2839, 0.2057



16.6978, 0.2748, 0.1781



13.5623, 0.3331, 0.2319



5.8106, 0.3086, 0.3068



4.0226, 0.2380, 0.1085



0.0656, 0.2775, 0.1303

Previews

White Background



This preview shows how the Yxy color 24.5546, 0.3290, 0.4631 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 24.5546, 0.3290, 0.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

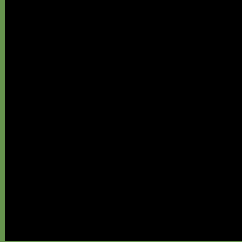
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5546, 0.3290, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 24.5546, 0.3290, 0.4631.



This preview shows how white text looks on a background with the Yxy color 24.5546, 0.3290, 0.4631.

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

24.5546, 0.3290, 0.4631

Protanopia

24.2119, 0.3947, 0.4287

Deuteranopia

24.2176, 0.4087, 0.4003



Tritanopia

24.5679, 0.2761, 0.3097

Trichromacy



Original Color

24.5546, 0.3290, 0.4631

Protanomaly

24.1697, 0.3694, 0.4427

Deuteranomaly

23.8651, 0.3771, 0.4231

Tritanomaly

24.4152, 0.2967, 0.3642

Monochromacy



Original Color

24.5546, 0.3290, 0.4631

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.9362, 0.3195, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5546, 0.3290, 0.4631 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(102, 148, 78)` looks like.

```
.text, #text, p{  
    color:rgb(102, 148, 78)  
}
```

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(102, 148, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 148, 78) }
```

Border

The CSS property to change the border of an element to Yxy 24.5546, 0.3290, 0.4631 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(102, 148, 78) }
```

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

```
.border{ border-color:rgb(102, 148, 78) }
```

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

Here you see how a box with a 4 pixel rgb(102, 148, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 148, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 148, 78);  
box-shadow:4px 4px 4px 4px rgb(102, 148,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5546, 0.3290, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 148, 78) }
```

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

```
.background{ background-color: rgb(102,  
148, 78) }
```

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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