

Converting Colors

$Y_{xy}(25.8633, 0.3496, 0.5173)$

Have a look what the booklet for
Yxy(25.8633, 0.3496, 0.5173)
contains.

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Color

Yxy(25.8633, 0.3496, 0.5173)

Conversions

Conversions Part 1

Format	Color
Hex	67992E
RGB	103, 153, 46
RGB Percent	40%, 60%, 18%
CMY	0.5960, 0.4000, 0.8196
CMYK	0.33, 0.00, 0.70, 0.40
HSL	88°, 54%, 39%
HSV	88°, 70%, 60%
XYZ	17.4789, 25.8633, 6.6546
YIQ	125.8520, 4.5470, -43.8770

Conversions

Conversions Part 2

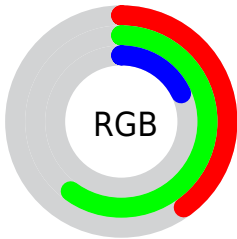
Format	Color
RYB	46, 153, 96
Decimal	6789422
CIELab	57.91, -34.23, 48.65
CIELCh	58, 59.483, 125.133
Yxy	25.8633, 0.3496, 0.5173
Android (android.graphics.Color)	4284979502 (0xFF67992E)
YUV	125.8520, -39.3670, -20.0412
Hunter-Lab	50.8560, -27.6487, 27.8410

Details

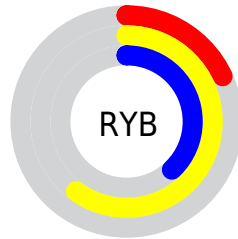
The Yxy color **25.8633, 0.3496, 0.5173** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.7392, 0.2351, 0.1372**, and the grayscale version is **20.9474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1617, 0.3464, 0.4763**, and **9.9855, 0.3398, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **25.3597, 0.3491, 0.5383**, and if you desaturate by 10%, it is **26.4483, 0.3480, 0.4924**.

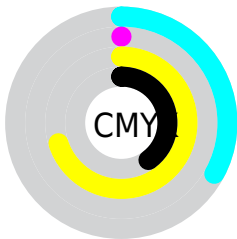
Distribution



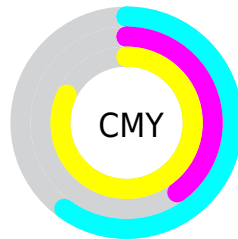
- Red (40%)
- Green (60%)
- Blue (18%)



- Red (18%)
- Yellow (60%)
- Blue (38%)



- Cyan (33%)
- Magenta (0%)
- Yellow (70%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8633, 0.3496, 0.5173 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 25.8633, 0.3496, 0.5173 by changing the saturation by 10% instead.


 25.8633, 0.3496,
0.5173

 25.8633, 0.3496,
0.5173


282.1104, 0.3361,
0.4104


 16.7214, 0.3492,
0.5470


 53.0543, 0.3469,
0.4758


 10.0361, 0.3452,
0.5858


 71.8723, 0.3451,
0.4609

 5.4229, 0.3431,
0.6569

 94.6843, 0.3433,
0.4487

 2.4974, 0.2991,
0.7009

 121.8749, 0.3416,
0.4385

 0.8754, 0.0000,
1.0000

 153.8284, 0.3401,
0.4298

 0.0000, 0.0000,
0.0000

 190.9292, 0.3386,

0.4224

233.5617, 0.3373,
0.4160

■ 25.8633, 0.3496,
0.5173

■ 25.8633, 0.3496,
0.5173

■ 25.3597, 0.3491,
0.5383

■ 26.4483, 0.3480,
0.4924

■ 24.9285, 0.3464,
0.5545

■ 27.1163, 0.3445,
0.4649

■ 24.5578, 0.3422,
0.5665

■ 27.8728, 0.3395,
0.4361

■ 24.5556, 0.3422,
0.5665

■ 28.7221, 0.3335,
0.4074

■ 29.6678, 0.3268,
0.3796

■ 30.7135, 0.3197,
0.3533

■ 31.8626, 0.3127,
0.3289

■ 33.1182, 0.3057,
0.3065

■ 34.4833, 0.2991,
0.2863

Harmonies

Analogous

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



25.8633, 0.4364, 0.4830



25.8633, 0.3496, 0.5173



25.8633, 0.2581, 0.4740

Triad

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



25.8633, 0.3496, 0.5173



25.8633, 0.1523, 0.2047



25.8633, 0.4474, 0.2822

Complementary

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



25.8633, 0.3496, 0.5173



6.7392, 0.2351, 0.1372

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.



25.8633, 0.3467, 0.2281



25.8633, 0.3496, 0.5173



25.8633, 0.1842, 0.1844

Square

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



25.8633, 0.3496, 0.5173



25.8633, 0.1521, 0.2631



25.8633, 0.2500, 0.1937



25.8633, 0.5052, 0.3470

Rectangle

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



25.8633, 0.3496, 0.5173



25.8633, 0.2069, 0.4037



25.8633, 0.2500, 0.1937



25.8633, 0.4163, 0.2625

Sweetspot

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



25.8644, 0.3496, 0.5173



52.8696, 0.3278, 0.3836



15.3227, 0.4719, 0.4061



11.5782, 0.3295, 0.3905



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.8644, 0.3496, 0.5173



44.9584, 0.3478, 0.5482



23.6471, 0.3045, 0.5464



7.0795, 0.3192, 0.3515



20.3144, 0.3427, 0.5661



0.3253, 0.3751, 0.5404

Inverse Universe

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



6.7392, 0.2351, 0.1372



8.4493, 0.2143, 0.1051



10.6839, 0.3144, 0.1749



6.1607, 0.3057, 0.3065



3.0424, 0.1983, 0.0866



0.0669, 0.2468, 0.1133

Previews

White Background



This preview shows how the Yxy color 25.8633, 0.3496, 0.5173 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 25.8633, 0.3496, 0.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

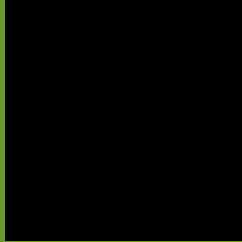
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8633, 0.3496, 0.5173

Background



This preview shows how black text looks on a background with the Yxy color 25.8633, 0.3496, 0.5173.



This preview shows how white text looks on a background with the Yxy color 25.8633, 0.3496, 0.5173.

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

25.8633, 0.3496, 0.5173

Protanopia

25.6010, 0.4237, 0.4682

Deuteranopia

25.6531, 0.4442, 0.4358



Tritanopia

25.7599, 0.2767, 0.3100

Trichromacy



Original Color

25.8633, 0.3496, 0.5173

Protanomaly

25.3552, 0.3953, 0.4875

Deuteranomaly

25.2911, 0.4084, 0.4656

Tritanomaly

25.5500, 0.3069, 0.3880

Monochromacy



Original Color

25.8633, 0.3496, 0.5173

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.3229, 0.3327, 0.4029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8633, 0.3496, 0.5173 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(103, 153, 46)` looks like.

```
.text, #text, p{  
    color:rgb(103, 153, 46)  
}
```

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(103, 153, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 153, 46) }
```

Border

The CSS property to change the border of an element to Yxy 25.8633, 0.3496, 0.5173 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(103, 153, 46) }
```

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

```
.border{ border-color:rgb(103, 153, 46) }
```

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

Here you see how a box with a 4 pixel rgb(103, 153, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 153, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 153, 46);  
box-shadow:4px 4px 4px 4px rgb(103, 153,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8633, 0.3496, 0.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 153, 46) }
```

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

```
.background{ background-color: rgb(103,  
153, 46) }
```

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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