

Converting Colors

$Y_{xy}(25.6744, 0.4078, 0.4157)$

Have a look what the booklet for
Yxy(25.6744, 0.4078, 0.4157)
contains.

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Color

Yxy(25.6645, 0.4079, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	A3874E
RGB	163, 135, 78
RGB Percent	64%, 53%, 31%
CMY	0.3607, 0.4706, 0.6941
CMYK	0.00, 0.17, 0.52, 0.36
HSL	40°, 35%, 47%
HSV	40°, 52%, 64%
XYZ	25.1466, 25.6645, 10.8379
YIQ	136.8740, 34.9850, -11.7910

Conversions

Conversions Part 2

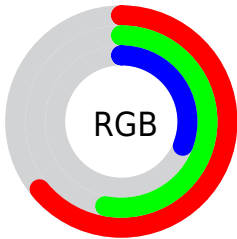
Format	Color
RYB	120, 163, 78
Decimal	10717006
CIELab	57.72, 3.24, 34.41
CIELCh	58, 34.562, 84.625
Yxy	25.6645, 0.4079, 0.4163
Android (android.graphics.Color)	4288907086 (0xFFA3874E)
YUV	136.8740, -29.0249, 22.9125
Hunter-Lab	50.6601, -0.0515, 22.7780

Details

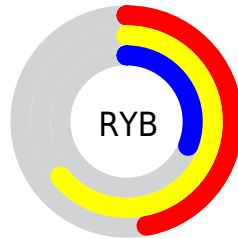
The Yxy color **25.6645, 0.4079, 0.4163** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **14.5804, 0.2253, 0.2203**, and the grayscale version is **25.0695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7406, 0.3893, 0.3995**, and **10.0057, 0.4374, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **23.9982, 0.4284, 0.4302**, and if you desaturate by 10%, it is **27.4669, 0.3874, 0.4004**.

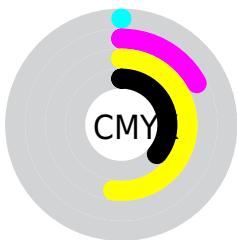
Distribution



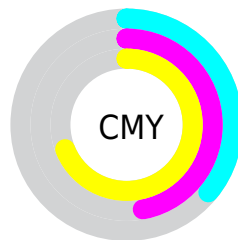
- Red (64%)
- Green (53%)
- Blue (31%)



- Red (47%)
- Yellow (64%)
- Blue (31%)



- Cyan (0%)
- Magenta (17%)
- Yellow (52%)
- Black (36%)




- Cyan (36%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6645, 0.4079, 0.4163 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 25.6645, 0.4079, 0.4163 by changing the saturation by 10% instead.


 25.6645, 0.4079,
0.4163


 25.6645, 0.4079,
0.4163


281.1312, 0.3568,
0.3703


 16.5728, 0.4212,
0.4279


 52.7332, 0.3887,
0.3993


 9.9304, 0.4382,
0.4422


 71.4790, 0.3817,
0.3930


 5.3528, 0.4599,
0.4598

 94.2117, 0.3758,
0.3876

 2.4557, 0.5038,
0.4962

 121.3155, 0.3708,
0.3831

 0.8543, 0.5108,
0.4892

 153.1750, 0.3665,
0.3792

 0.0000, 0.0000,
0.0000

190.1746, 0.3629,

0.3758

232.6985, 0.3596,
0.3729

■ 25.6645, 0.4079,
0.4163

■ 25.6645, 0.4079,
0.4163

■ 23.9982, 0.4284,
0.4302

■ 27.4669, 0.3874,
0.4004

■ 22.4588, 0.4481,
0.4409

■ 29.4068, 0.3675,
0.3833

■ 21.0416, 0.4659,
0.4474

■ 31.4900, 0.3488,
0.3659

■ 19.7393, 0.4810,
0.4491

■ 33.7209, 0.3316,
0.3488

■ 18.7856, 0.4914,
0.4480

■ 36.1035, 0.3159,
0.3324

■ 38.6417, 0.3017,
0.3169

■ 41.3393, 0.2890,
0.3024

■ 44.1998, 0.2777,
0.2891

■ 47.2267, 0.2676,
0.2768

Harmonies

Analogous

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



25.6645, 0.4300, 0.3767



25.6645, 0.4079, 0.4163



25.6645, 0.3609, 0.4364

Triad

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



25.6645, 0.4079, 0.4163



25.6645, 0.2175, 0.3127



25.6645, 0.3133, 0.2554

Complementary

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



25.6645, 0.4079, 0.4163



14.5804, 0.2253, 0.2203

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.



25.6645, 0.2586, 0.2382



25.6645, 0.4079, 0.4163



25.6645, 0.2076, 0.2654

Square

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



25.6645, 0.4079, 0.4163



25.6645, 0.2513, 0.3729



25.6645, 0.2218, 0.2406



25.6645, 0.3731, 0.2883

Rectangle

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



25.6645, 0.4079, 0.4163



25.6645, 0.3228, 0.4311



25.6645, 0.2218, 0.2406



25.6645, 0.2937, 0.2477

Sweetspot

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



25.6657, 0.4079, 0.4163



58.6852, 0.3386, 0.3559



14.2868, 0.4078, 0.2849



13.0058, 0.3419, 0.3592



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



25.6657, 0.4079, 0.4163



42.3921, 0.4325, 0.4326



33.1272, 0.3720, 0.4591



7.8418, 0.3269, 0.3440



14.6816, 0.4906, 0.4487



0.3893, 0.4594, 0.4734

Inverse Universe

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



14.5804, 0.2253, 0.2203



20.3532, 0.2053, 0.1899



10.3800, 0.2292, 0.1728



7.2237, 0.2987, 0.3135



4.1621, 0.1640, 0.1102



0.1709, 0.1843, 0.1833

Previews

White Background



This preview shows how the Yxy color 25.6645, 0.4079, 0.4163 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 25.6645, 0.4079, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

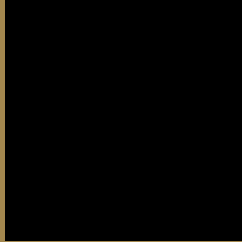
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6645, 0.4079, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 25.6645, 0.4079, 0.4163.



This preview shows how white text looks on a background with the Yxy color 25.6645, 0.4079, 0.4163.

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

25.6645, 0.4079, 0.4163

Protanopia

25.7052, 0.3905, 0.4255

Deuteranopia

25.5021, 0.4166, 0.4082



Tritanopia

25.5982, 0.3490, 0.3139

Trichromacy



Original Color

25.6645, 0.4079, 0.4163

Protanomaly

25.8094, 0.3961, 0.4223

Deuteranomaly

25.5551, 0.4133, 0.4104

Tritanomaly

25.6005, 0.3716, 0.3524

Monochromacy



Original Color

25.6645, 0.4079, 0.4163

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.9803, 0.3457, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6645, 0.4079, 0.4163 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(163, 135, 78)` looks like.

```
.text, #text, p{  
    color:rgb(163, 135, 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(163, 135, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 135, 78) }
```

Border

The CSS property to change the border of an element to Yxy 25.6645, 0.4079, 0.4163 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(163, 135, 78) }
```

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

```
.border{ border-color:rgb(163, 135, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 135, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 135, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 135, 78);  
box-shadow:4px 4px 4px 4px rgb(163, 135,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6645, 0.4079, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 135, 78) }
```

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

```
.background{ background-color: rgb(163,  
135, 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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