

Converting Colors

$Y_{xy}(25.8521, 0.3228, 0.4134)$

Have a look what the booklet for
Yxy(25.8521, 0.3228, 0.4134)
contains.

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Color

Yxy(25.8521, 0.3228, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	749466
RGB	116, 148, 102
RGB Percent	45%, 58%, 40%
CMY	0.5453, 0.4196, 0.6000
CMYK	0.22, 0.00, 0.31, 0.42
HSL	102°, 18%, 49%
HSV	102°, 31%, 58%
XYZ	20.1864, 25.8521, 16.4968
YIQ	133.1880, -4.3060, -21.0900

Conversions

Conversions Part 2

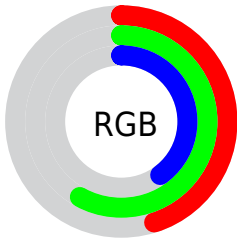
Format	Color
R_{YB}	102, 148, 134
Decimal	7640166
CIE _{Lab}	57.90, -20.20, 20.79
CIE _{LCh}	58, 28.987, 134.184
Yxy	25.8521, 0.3228, 0.4134
Android (android.graphics.Color)	4285830246 (0xFF749466)
YUV	133.1880, -15.3757, -15.0739
Hunter-Lab	50.8450, -18.1108, 16.3546

Details

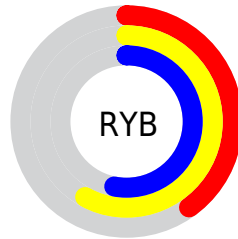
The Yxy color $25.8521, 0.3228, 0.4134$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.7150, 0.2983, 0.2500$, and the grayscale version is $23.5835, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.9760, 0.3219, 0.3945$, and $10.0185, 0.3241, 0.4460$ is the 20% darker color. If you saturate the color by 10%, you get $24.9177, 0.3251, 0.4446$, and if you desaturate by 10%, it is $26.9197, 0.3199, 0.3838$.

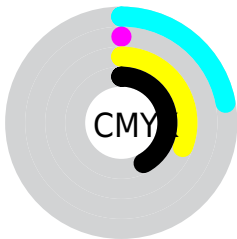
Distribution



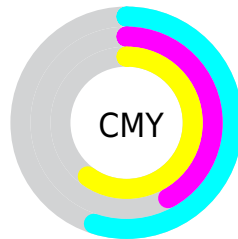
- Red (45%)
- Green (58%)
- Blue (40%)



- Red (40%)
- Yellow (58%)
- Blue (53%)



- Cyan (22%)
- Magenta (0%)
- Yellow (31%)
- Black (42%)





- Cyan (55%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8521, 0.3228, 0.4134 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 25.8521, 0.3228, 0.4134 by changing the saturation by 10% instead.


 25.8521, 0.3228,
0.4134


 25.8521, 0.3228,
0.4134


282.0553, 0.3183,
0.3654

 16.7130, 0.3235,
0.4278

 53.0363, 0.3214,
0.3943

 10.0301, 0.3240,
0.4479


 71.8501, 0.3208,
0.3877

 5.4189, 0.3236,
0.4778

 94.6577, 0.3203,
0.3822

 2.4951, 0.3217,
0.5290

 121.8434, 0.3198,
0.3777

 0.8742, 0.2787,
0.7213

153.7916, 0.3194,
0.3739

 0.0000, 0.0000,
0.0000

190.8868, 0.3190,

0.3706

233.5132, 0.3186,
0.3678

■ 25.8521, 0.3228,
0.4134

■ 25.8521, 0.3228,
0.4134

■ 24.9177, 0.3251,
0.4446

■ 26.9197, 0.3199,
0.3838

■ 24.1076, 0.3265,
0.4763

■ 28.1220, 0.3166,
0.3564

■ 23.4174, 0.3268,
0.5070

■ 29.4650, 0.3131,
0.3315

■ 22.8408, 0.3257,
0.5351

■ 30.9532, 0.3096,
0.3092

■ 22.3709, 0.3232,
0.5586

■ 32.5908, 0.3061,
0.2894

■ 21.9999, 0.3193,
0.5762

■ 34.3820, 0.3028,
0.2718

■ 21.7392, 0.3155,
0.5877

■ 36.3307, 0.2996,
0.2564

■ 38.4408, 0.2966,
0.2427

■ 40.7158, 0.2938,
0.2308

Harmonies

Analogous

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



25.8521, 0.3695, 0.4160



25.8521, 0.3228, 0.4134



25.8521, 0.2755, 0.3816

Triad

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



25.8521, 0.3228, 0.4134



25.8521, 0.2288, 0.2595



25.8521, 0.3899, 0.3183

Complementary

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



25.8521, 0.3228, 0.4134



16.7150, 0.2983, 0.2500

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.



25.8521, 0.3467, 0.2835



25.8521, 0.3228, 0.4134



25.8521, 0.2542, 0.2503

Square

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



25.8521, 0.3228, 0.4134



25.8521, 0.2237, 0.2882



25.8521, 0.2964, 0.2593



25.8521, 0.4107, 0.3574

Rectangle

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



25.8521, 0.3228, 0.4134



25.8521, 0.2499, 0.3498



25.8521, 0.2964, 0.2593



25.8521, 0.3773, 0.3059

Sweetspot

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



25.8532, 0.3228, 0.4134



50.0426, 0.3159, 0.3515



24.1531, 0.3647, 0.3820



11.3541, 0.3164, 0.3550



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.



25.8532, 0.3228, 0.4134



44.4849, 0.3244, 0.4340



25.1441, 0.3012, 0.4005



6.5486, 0.3159, 0.3515



18.5782, 0.3159, 0.5874



0.2414, 0.3479, 0.5620

Inverse Universe

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



16.7150, 0.2983, 0.2500



25.8457, 0.2942, 0.2323



17.6814, 0.3270, 0.2668



5.8218, 0.3092, 0.3069



4.3097, 0.2472, 0.1135



0.0682, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 25.8521, 0.3228, 0.4134 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 25.8521, 0.3228, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

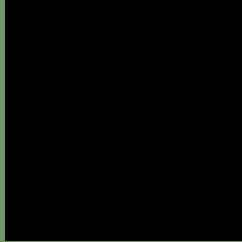
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8521, 0.3228, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 25.8521, 0.3228, 0.4134.



This preview shows how white text looks on a background with the Yxy color 25.8521, 0.3228, 0.4134.

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

25.8521, 0.3228, 0.4134

Protanopia

25.8311, 0.3688, 0.3967

Deuteranopia

25.5815, 0.3799, 0.3732



Tritanopia

25.9310, 0.2841, 0.3103

Trichromacy



Original Color

25.8521, 0.3228, 0.4134

Protanomaly

25.6501, 0.3521, 0.4031

Deuteranomaly

25.2874, 0.3580, 0.3862

Tritanomaly

25.7327, 0.2985, 0.3466

Monochromacy



Original Color

25.8521, 0.3228, 0.4134

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0941, 0.3169, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8521, 0.3228, 0.4134 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(116, 148, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 148, 102)  
}
```

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(116, 148, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 148, 102) }
```

Border

The CSS property to change the border of an element to Yxy 25.8521, 0.3228, 0.4134 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(116, 148, 102) }
```

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

```
.border{ border-color:rgb(116, 148, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 148, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 148, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 148, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 148,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8521, 0.3228, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 148, 102) }
```

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

```
.background{ background-color: rgb(116,  
148, 102) }
```

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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