

Converting Colors

$Y_{xy}(25.6174, 0.3122, 0.3781)$

Have a look what the booklet for
Yxy(25.6174, 0.3122, 0.3781)
contains.

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Color

Yxy(25.5519, 0.3125, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	789176
RGB	120, 145, 118
RGB Percent	47%, 57%, 46%
CMY	0.5294, 0.4314, 0.5372
CMYK	0.17, 0.00, 0.19, 0.43
HSL	116°, 11%, 52%
HSV	116°, 19%, 57%
XYZ	21.1410, 25.5519, 20.9584
YIQ	134.4470, -6.2330, -13.6970

Conversions

Conversions Part 2

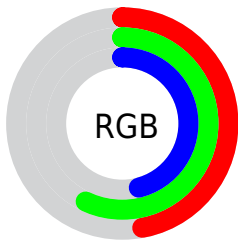
Format	Color
R_{YB}	118, 145, 143
Decimal	7901558
CIE _{Lab}	57.61, -14.33, 11.44
CIE _{LCh}	58, 18.337, 141.419
Yxy	25.5519, 0.3125, 0.3777
Android (android.graphics.Color)	4286091638 (0xFF789176)
YUV	134.4470, -8.1084, -12.6700
Hunter-Lab	50.5489, -13.8066, 10.8016

Details

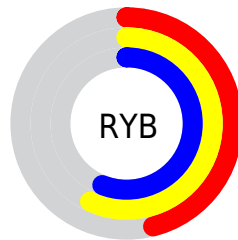
The Yxy color $25.5519, 0.3125, 0.3777$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.8430, 0.3124, 0.2841$, and the grayscale version is $24.0460, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.6334, 0.3133, 0.3671$, and $9.7872, 0.3111, 0.3951$ is the 20% darker color. If you saturate the color by 10%, you get $24.3405, 0.3121, 0.4082$, and if you desaturate by 10%, it is $26.9532, 0.3127, 0.3502$.

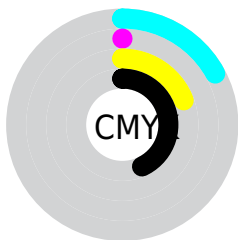
Distribution



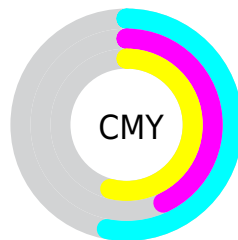
- Red (47%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (56%)



- Cyan (17%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)





- Cyan (53%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5519, 0.3125, 0.3777 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 25.5519, 0.3125, 0.3777 by changing the saturation by 10% instead.


 25.5519, 0.3125,
0.3777


 25.5519, 0.3125,
0.3777


280.5754, 0.3130,
0.3502


 16.4887, 0.3122,
0.3859


 52.5512, 0.3128,
0.3668

 9.8706, 0.3116,
0.3973


 71.2560, 0.3129,
0.3630

 5.3133, 0.3105,
0.4144

 93.9436, 0.3129,
0.3599

 2.4322, 0.3079,
0.4428

120.9982, 0.3129,
0.3573

 0.8424, 0.3195,
0.5971

152.8043, 0.3130,
0.3551

 0.0000, 0.0000,
0.0000

189.7463, 0.3130,

0.3533

232.2085, 0.3130,
0.3516

■ 25.5519, 0.3125,
0.3777

■ 25.5519, 0.3125,
0.3777

■ 24.3405, 0.3121,
0.4082

■ 26.9532, 0.3127,
0.3502

■ 23.3077, 0.3114,
0.4410

■ 28.5486, 0.3127,
0.3258

■ 22.4460, 0.3104,
0.4752

■ 30.3463, 0.3126,
0.3045

■ 21.7462, 0.3091,
0.5089

■ 32.3530, 0.3124,
0.2859

■ 21.1981, 0.3075,
0.5400

■ 34.5752, 0.3122,
0.2698

■ 20.7904, 0.3056,
0.5660

■ 37.0190, 0.3119,
0.2559

■ 20.5103, 0.3037,
0.5849

■ 39.6903, 0.3116,
0.2439

■ 20.3386, 0.3022,
0.5969

■ 42.5949, 0.3113,
0.2334

■ 20.3211, 0.3021,
0.5983

■ 45.7381, 0.3109,
0.2244

Harmonies

Analogous

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



25.5519, 0.3432, 0.3850



25.5519, 0.3125, 0.3777



25.5519, 0.2828, 0.3550

Triad

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



25.5519, 0.3125, 0.3777



25.5519, 0.2608, 0.2816



25.5519, 0.3662, 0.3292

Complementary

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



25.5519, 0.3125, 0.3777



20.8430, 0.3124, 0.2841

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.



25.5519, 0.3420, 0.3045



25.5519, 0.3125, 0.3777



25.5519, 0.2809, 0.2776

Square

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



25.5519, 0.3125, 0.3777



25.5519, 0.2540, 0.2983



25.5519, 0.3104, 0.2861



25.5519, 0.3752, 0.3550

Rectangle

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



25.5519, 0.3125, 0.3777



25.5519, 0.2675, 0.3352



25.5519, 0.3104, 0.2861



25.5519, 0.3595, 0.3206

Sweetspot

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



25.5530, 0.3125, 0.3777



48.9460, 0.3127, 0.3438



26.8993, 0.3404, 0.3702



10.8543, 0.3127, 0.3452



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



25.5530, 0.3125, 0.3777



44.8865, 0.3124, 0.3891



25.6956, 0.2999, 0.3571



6.0472, 0.3127, 0.3516



17.4342, 0.3023, 0.5982



0.1697, 0.3131, 0.5896

Inverse Universe

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



20.8430, 0.3124, 0.2841



34.9799, 0.3123, 0.2746



20.6924, 0.3281, 0.3025



5.4911, 0.3126, 0.3072



6.1264, 0.3029, 0.1442



0.0625, 0.3125, 0.1495

Previews

White Background



This preview shows how the Yxy color 25.5519, 0.3125, 0.3777 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 25.5519, 0.3125, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

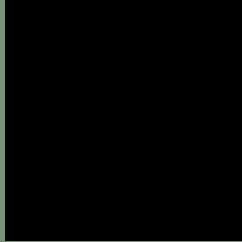
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5519, 0.3125, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 25.5519, 0.3125, 0.3777.



This preview shows how white text looks on a background with the Yxy color 25.5519, 0.3125, 0.3777.

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

25.5519, 0.3125, 0.3777

Protanopia

25.5029, 0.3472, 0.3693

Deuteranopia

25.4002, 0.3565, 0.3499



Tritanopia

25.4588, 0.2867, 0.3087

Trichromacy



Original Color

25.5519, 0.3125, 0.3777

Protanomaly

25.6059, 0.3349, 0.3738

Deuteranomaly

25.1525, 0.3397, 0.3594

Tritanomaly

25.5245, 0.2959, 0.3324

Monochromacy



Original Color

25.5519, 0.3125, 0.3777

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.4026, 0.3130, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5519, 0.3125, 0.3777 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(120, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 118)  
}
```

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(120, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 118) }
```

Border

The CSS property to change the border of an element to Yxy 25.5519, 0.3125, 0.3777 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(120, 145, 118) }
```

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

```
.border{ border-color:rgb(120, 145, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 145,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5519, 0.3125, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 118) }
```

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

```
.background{ background-color: rgb(120,  
145, 118) }
```

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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