

Converting Colors

$Y_{xy}(25.6005, 0.2949, 0.3812)$

Have a look what the booklet for
Yxy(25.6005, 0.2949, 0.3812)
contains.

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Color

$\text{Yxy}(25.4789, 0.2947, 0.3813)$

Conversions

Conversions Part 1

Format	Color
Hex	689478
RGB	104, 148, 120
RGB Percent	41%, 58%, 47%
CMY	0.5920, 0.4196, 0.5294
CMYK	0.30, 0.00, 0.19, 0.42
HSL	142°, 17%, 49%
HSV	142°, 30%, 58%
XYZ	19.6922, 25.4789, 21.6500
YIQ	131.6520, -17.2360, -18.0360

Conversions

Conversions Part 2

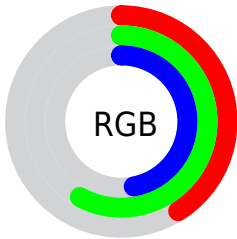
Format	Color
RYB	104, 136, 148
Decimal	6853752
CIELab	57.54, -21.12, 10.06
CIELCh	58, 23.390, 154.532
Yxy	25.4789, 0.2947, 0.3813
Android (android.graphics.Color)	4285043832 (0xFF689478)
YUV	131.6520, -5.7444, -24.2508
Hunter-Lab	50.4766, -18.6968, 9.9034

Details

The Yxy color $25.4789, 0.2947, 0.3813$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.8704, 0.3366, 0.2820$, and the grayscale version is $22.9714, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.2875, 0.2989, 0.3696$, and $9.8165, 0.2877, 0.4041$ is the 20% darker color. If you saturate the color by 10%, you get $24.4526, 0.2894, 0.4026$, and if you desaturate by 10%, it is $26.6853, 0.3005, 0.3618$.

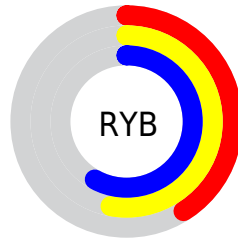
Distribution



Red (41%)

Green (58%)

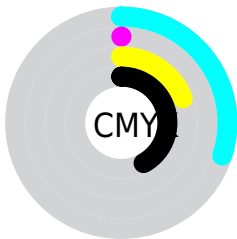
Blue (47%)



Red (41%)

Yellow (53%)

Blue (58%)

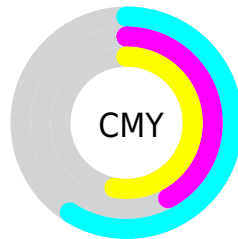


Cyan (30%)

Magenta (0%)

Yellow (19%)

Black (42%)



Cyan (59%)


Magenta (42%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4789, 0.2947, 0.3813 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 25.4789, 0.2947, 0.3813 by changing the saturation by 10% instead.


 25.4789, 0.2947,
0.3813


 25.4789, 0.2947,
0.3813


280.2146, 0.3051,
0.3516


 16.4342, 0.2915,
0.3902


 52.4331, 0.2989,
0.3695


 9.8319, 0.2870,
0.4027


 71.1114, 0.3003,
0.3654

 5.2877, 0.2801,
0.4217

 93.7696, 0.3015,
0.3620

 2.4170, 0.2683,
0.4534

 120.7923, 0.3024,
0.3593

 0.8346, 0.2108,
0.6333

152.5637, 0.3032,
0.3569

 0.0000, 0.0000,
0.0000

189.4683, 0.3039,

0.3549

231.8905, 0.3045,
0.3531

■ 25.4789, 0.2947,
0.3813

■ 25.4789, 0.2947,
0.3813

■ 24.4526, 0.2894,
0.4026

■ 26.6853, 0.3005,
0.3618

■ 23.5944, 0.2849,
0.4253

■ 28.0768, 0.3067,
0.3442

■ 22.8960, 0.2815,
0.4492

■ 29.6620, 0.3129,
0.3286

■ 22.3466, 0.2796,
0.4734

■ 31.4483, 0.3191,
0.3147

■ 21.9346, 0.2793,
0.4971

■ 33.4423, 0.3251,
0.3025

■ 21.6461, 0.2807,
0.5194

■ 35.6506, 0.3309,
0.2918

■ 21.4480, 0.2833,
0.5396

■ 38.0795, 0.3364,
0.2824

■ 21.4426, 0.2834,
0.5401

■ 40.7349, 0.3416,
0.2743

■ 43.6224, 0.3466,
0.2671

Harmonies

Analogous

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



25.4789, 0.3344, 0.4000



25.4789, 0.2947, 0.3813



25.4789, 0.2612, 0.3457

Triad

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



25.4789, 0.2947, 0.3813



25.4789, 0.2563, 0.2650



25.4789, 0.3890, 0.3429

Complementary

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



25.4789, 0.2947, 0.3813



17.8704, 0.3366, 0.2820

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.



25.4789, 0.3655, 0.3108



25.4789, 0.2947, 0.3813



25.4789, 0.2874, 0.2674

Square

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



25.4789, 0.2947, 0.3813



25.4789, 0.2403, 0.2784



25.4789, 0.3274, 0.2839



25.4789, 0.3903, 0.3739

Rectangle

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



25.4789, 0.2947, 0.3813



25.4789, 0.2465, 0.3195



25.4789, 0.3274, 0.2839



25.4789, 0.3834, 0.3320

Sweetspot

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



25.4800, 0.2947, 0.3813



49.6808, 0.3070, 0.3434



27.1336, 0.3389, 0.4051



11.2609, 0.3062, 0.3456



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.



25.4800, 0.2947, 0.3813



43.6570, 0.2909, 0.3960



26.0589, 0.2764, 0.3408



6.5012, 0.3070, 0.3434



18.3214, 0.2831, 0.5390



0.2295, 0.2598, 0.4551

Inverse Universe

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



17.8704, 0.3366, 0.2820



27.8884, 0.3441, 0.2706



17.3432, 0.3667, 0.3177



5.8738, 0.3189, 0.3150



6.0771, 0.4357, 0.2174



0.0801, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 25.4789, 0.2947, 0.3813 looks on a white background.

Color Contrast Check

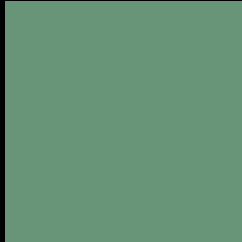
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4789, 0.2947, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

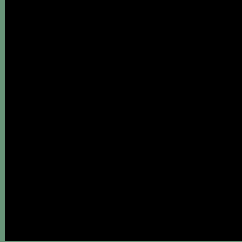
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4789, 0.2947, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 25.4789, 0.2947, 0.3813.



This preview shows how white text looks on a background with the Yxy color 25.4789, 0.2947, 0.3813.

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

25.4789, 0.2947, 0.3813

Protanopia

25.1489, 0.3453, 0.3661

Deuteranopia

25.2730, 0.3507, 0.3452



Tritanopia

25.3910, 0.2705, 0.3081

Trichromacy



Original Color

25.4789, 0.2947, 0.3813

Protanomaly

25.0799, 0.3249, 0.3714

Deuteranomaly

24.9005, 0.3282, 0.3566

Tritanomaly

25.3919, 0.2790, 0.3343

Monochromacy



Original Color

25.4789, 0.2947, 0.3813

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.8730, 0.3054, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4789, 0.2947, 0.3813 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(104, 148, 120)` looks like.

```
.text, #text, p{  
    color:rgb(104, 148, 120)  
}
```

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(104, 148, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 148, 120) }
```

Border

The CSS property to change the border of an element to Yxy 25.4789, 0.2947, 0.3813 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(104, 148, 120) }
```

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

```
.border{ border-color:rgb(104, 148, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 148, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 148, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 148, 120);  
box-shadow:4px 4px 4px 4px rgb(104, 148,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4789, 0.2947, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 148, 120) }
```

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

```
.background{ background-color: rgb(104,  
148, 120) }
```

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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