

Converting Colors

$Y_{xy}(25.4968, 0.3066, 0.4588)$

Have a look what the booklet for
Yxy(25.4968, 0.3066, 0.4588)
contains.

Yxy(25.4968, 0.3066, 0.4588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.4968, 0.3066, 0.4588)$

Conversions

Conversions Part 1

Format	Color
Hex	579957
RGB	87, 153, 87
RGB Percent	34%, 60%, 34%
CMY	0.6590, 0.4000, 0.6589
CMYK	0.43, 0.00, 0.43, 0.40
HSL	120°, 28%, 47%
HSV	120°, 43%, 60%
XYZ	17.0386, 25.4968, 13.0374
YIQ	125.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

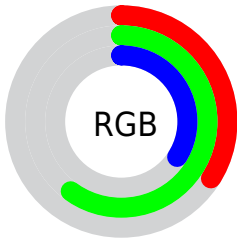
Format	Color
R_{YB}	87, 153, 153
Decimal	5740887
CIE _{Lab}	57.56, -35.13, 28.24
CIE _{LCh}	58, 45.074, 141.198
Yxy	25.4968, 0.3066, 0.4588
Android (android.graphics.Color)	4283930967 (0xFF579957)
YUV	125.7420, -19.0998, -33.9767
Hunter-Lab	50.4944, -28.1328, 20.0377

Details

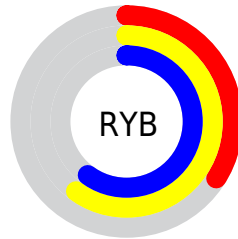
The Yxy color **25.4968, 0.3066, 0.4588** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8821, 0.3176, 0.2263**, and the grayscale version is **20.8394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5222, 0.3095, 0.4282**, and **9.8006, 0.2983, 0.5132** is the 20% darker color. If you saturate the color by 10%, you get **24.6142, 0.3050, 0.4938**, and if you desaturate by 10%, it is **26.5906, 0.3082, 0.4243**.

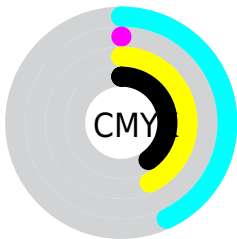
Distribution



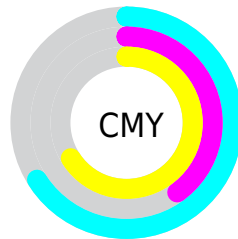
- Red (34%)
- Green (60%)
- Blue (34%)



- Red (34%)
- Yellow (60%)
- Blue (60%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4968, 0.3066, 0.4588 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 25.4968, 0.3066, 0.4588 by changing the saturation by 10% instead.

■ 25.4968, 0.3066,
0.4588

■ 25.4968, 0.3066,
0.4588

280.3031, 0.3126,
0.3833

■ 16.4476, 0.3035,
0.4819

■ 52.4620, 0.3098,
0.4284

■ 9.8414, 0.2981,
0.5146

■ 71.1468, 0.3106,
0.4179

■ 5.2939, 0.2876,
0.5634

■ 93.8123, 0.3112,
0.4094

■ 2.4207, 0.2804,
0.6798

■ 120.8428, 0.3117,
0.4024

■ 0.8365, 0.0000,
1.0000

■ 152.6227, 0.3120,
0.3965

■ 0.0000, 0.0000,
0.0000

189.5365, 0.3122,

0.3914

231.9685, 0.3124,
0.3871

■ 25.4968, 0.3066,
0.4588

■ 25.4968, 0.3066,
0.4588

■ 24.6142, 0.3050,
0.4938

■ 26.5906, 0.3082,
0.4243

■ 23.9262, 0.3034,
0.5273

■ 27.9045, 0.3097,
0.3920

■ 23.4191, 0.3020,
0.5564


■ 29.4508, 0.3111,
0.3626

■ 23.0759, 0.3010,
0.5789


■ 31.2401, 0.3124,
0.3366

■ 22.8763, 0.3003,
0.5932


■ 33.2820, 0.3134,
0.3138

 22.7859, 0.3000,
0.6000

 35.5860, 0.3144,
0.2941

 38.1607, 0.3152,
0.2771

 41.0148, 0.3159,
0.2626

 44.1560, 0.3165,
0.2501

Harmonies

Analogous

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



25.4968, 0.3797, 0.4680



25.4968, 0.3066, 0.4588



25.4968, 0.2391, 0.3962

Triad

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



25.4968, 0.3066, 0.4588



25.4968, 0.1944, 0.2185



25.4968, 0.4452, 0.3224

Complementary

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



25.4968, 0.3066, 0.4588



15.8821, 0.3176, 0.2263

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.



25.4968, 0.3825, 0.2713



25.4968, 0.3066, 0.4588



25.4968, 0.2363, 0.2139

Square

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



25.4968, 0.3066, 0.4588



25.4968, 0.1802, 0.2509



25.4968, 0.3034, 0.2329



25.4968, 0.4652, 0.3789

Rectangle

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



25.4968, 0.3066, 0.4588



25.4968, 0.2063, 0.3406



25.4968, 0.3034, 0.2329



25.4968, 0.4281, 0.3044

Sweetspot

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



25.4979, 0.3066, 0.4588



52.7092, 0.3111, 0.3629



30.2464, 0.3752, 0.4323



11.5057, 0.3108, 0.3686



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.



25.4979, 0.3066, 0.4588



44.0948, 0.3050, 0.4933



26.1656, 0.2805, 0.3923



6.9256, 0.3116, 0.3519



18.8295, 0.3000, 0.6000



0.2815, 0.2999, 0.5997

Inverse Universe

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



15.8821, 0.3176, 0.2263



24.5148, 0.3186, 0.2058



14.9385, 0.3660, 0.2743



6.3236, 0.3138, 0.3071



7.4961, 0.3210, 0.1542



0.1121, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 25.4968, 0.3066, 0.4588 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 25.4968, 0.3066, 0.4588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

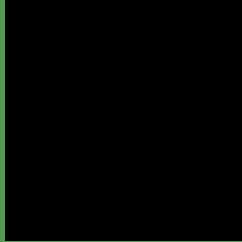
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4968, 0.3066, 0.4588

Background



This preview shows how black text looks on a background with the Yxy color 25.4968, 0.3066, 0.4588.



This preview shows how white text looks on a background with the Yxy color 25.4968, 0.3066, 0.4588.

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

25.4968, 0.3066, 0.4588

Protanopia

25.3503, 0.3881, 0.4216

Deuteranopia

25.2746, 0.3977, 0.3911



Tritanopia

25.4518, 0.2609, 0.3077

Trichromacy



Original Color

25.4968, 0.3066, 0.4588

Protanomaly

24.8586, 0.3555, 0.4357

Deuteranomaly

24.8127, 0.3609, 0.4158

Tritanomaly

25.3325, 0.2773, 0.3588

Monochromacy



Original Color

25.4968, 0.3066, 0.4588

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.2229, 0.3106, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4968, 0.3066, 0.4588 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(87, 153, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 153, 87)  
}
```

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(87, 153, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 153, 87) }
```

Border

The CSS property to change the border of an element to Yxy 25.4968, 0.3066, 0.4588 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(87, 153, 87) }
```

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

```
.border{ border-color:rgb(87, 153, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 153, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 153, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 153, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 153,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4968, 0.3066, 0.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 153, 87) }
```

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

```
.background{ background-color: rgb(87, 153,  
87) }
```

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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