

Converting Colors

$Yxy(24.5290, 0.3068, 0.4544)$

Have a look what the booklet for
Yxy(24.5290, 0.3068, 0.4544)
contains.

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Color

$Y_{xy}(24.5270, 0.3068, 0.4545)$

Conversions

Conversions Part 1

Format	Color
Hex	579657
RGB	87, 150, 87
RGB Percent	34%, 59%, 34%
CMY	0.6589, 0.4117, 0.6588
CMYK	0.42, 0.00, 0.42, 0.41
HSL	120°, 27%, 46%
HSV	120°, 42%, 59%
XYZ	16.5564, 24.5270, 12.8814
YIQ	123.9810, -17.3250, -32.9490

Conversions

Conversions Part 2

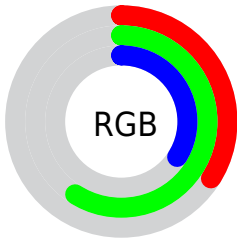
Format	Color
RYB	87, 150, 150
Decimal	5740119
CIELab	56.61, -33.74, 27.01
CIElCh	57, 43.220, 141.321
Yxy	24.5270, 0.3068, 0.4545
Android (android.graphics.Color)	4283930199 (0xFF579657)
YUV	123.9810, -18.2316, -32.4323
Hunter-Lab	49.5247, -26.9947, 19.2460

Details

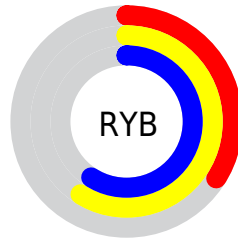
The Yxy color $24.5270, 0.3068, 0.4545$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.4994, 0.3175, 0.2290$, and the grayscale version is $20.2151, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0731, 0.3096, 0.4247$, and $9.4170, 0.2982, 0.5102$ is the 20% darker color. If you saturate the color by 10%, you get $23.6595, 0.3052, 0.4895$, and if you desaturate by 10%, it is $25.5975, 0.3084, 0.4203$.

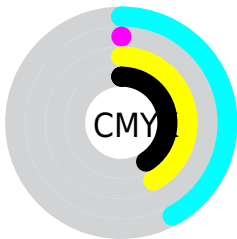
Distribution



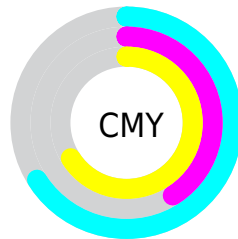
- Red (34%)
- Green (59%)
- Blue (34%)



- Red (34%)
- Yellow (59%)
- Blue (59%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (41%)





- Cyan (66%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5270, 0.3068, 0.4545 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 24.5270, 0.3068, 0.4545 by changing the saturation by 10% instead.


 24.5270, 0.3068,
0.4545


 24.5270, 0.3068,
0.4545


275.4741, 0.3125,
0.3812


 15.7250, 0.3038,
0.4772


 50.8888, 0.3098,
0.4249


 9.3298, 0.2986,
0.5094


 69.2175, 0.3106,
0.4147


 4.9569, 0.2885,
0.5579

 91.4904, 0.3112,
0.4064

 2.2220, 0.2841,
0.6810

 118.0921, 0.3116,
0.3996

 0.7319, 0.0000,
1.0000

 149.4069, 0.3119,
0.3939

 0.0000, 0.0000,
0.0000

185.8193, 0.3122,

0.3890

227.7135, 0.3123,
0.3849

■ 24.5270, 0.3068,
0.4545

■ 24.5270, 0.3068,
0.4545

■ 23.6595, 0.3052,
0.4895

■ 25.5975, 0.3084,
0.4203

■ 22.9793, 0.3036,
0.5232

■ 26.8794, 0.3099,
0.3883

■ 22.4735, 0.3022,
0.5530


■ 28.3843, 0.3113,
0.3594


■ 22.1263, 0.3011,
0.5764

■ 30.1221, 0.3125,
0.3338

■ 21.9189, 0.3004,
0.5918


■ 32.1021, 0.3135,
0.3114

 21.8144, 0.3000,
0.6000

 34.3330, 0.3145,
0.2920

 36.8232, 0.3153,
0.2754

 39.5808, 0.3159,
0.2611

 42.6132, 0.3165,
0.2488

Harmonies

Analogous

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



24.5270, 0.3780, 0.4642



24.5270, 0.3068, 0.4545



24.5270, 0.2410, 0.3938

Triad

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



24.5270, 0.3068, 0.4545



24.5270, 0.1974, 0.2213



24.5270, 0.4416, 0.3231

Complementary

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



24.5270, 0.3068, 0.4545



15.4994, 0.3175, 0.2290

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.



24.5270, 0.3809, 0.2730



24.5270, 0.3068, 0.4545



24.5270, 0.2386, 0.2167

Square

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



24.5270, 0.3068, 0.4545



24.5270, 0.1834, 0.2530



24.5270, 0.3041, 0.2354



24.5270, 0.4610, 0.3784

Rectangle

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



24.5270, 0.3068, 0.4545



24.5270, 0.2090, 0.3402



24.5270, 0.3041, 0.2354



24.5270, 0.4250, 0.3055

Sweetspot

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



24.5280, 0.3068, 0.4545



49.7364, 0.3111, 0.3628



28.9865, 0.3736, 0.4296



10.8980, 0.3109, 0.3685



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.



24.5280, 0.3068, 0.4545



41.8926, 0.3053, 0.4859



25.1594, 0.2812, 0.3901



6.4685, 0.3116, 0.3518



18.0911, 0.3000, 0.6000



0.2214, 0.2999, 0.5997

Inverse Universe

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



15.4994, 0.3175, 0.2290



23.8577, 0.3184, 0.2100



14.6180, 0.3639, 0.2758



5.9092, 0.3137, 0.3072



7.2020, 0.3210, 0.1542



0.0882, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 24.5270, 0.3068, 0.4545 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 24.5270, 0.3068, 0.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

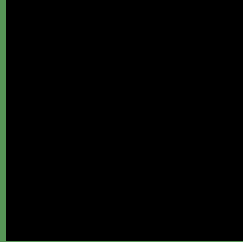
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5270, 0.3068, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 24.5270, 0.3068, 0.4545.



This preview shows how white text looks on a background with the Yxy color 24.5270, 0.3068, 0.4545.

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

24.5270, 0.3068, 0.4545

Protanopia

24.2179, 0.3865, 0.4186

Deuteranopia

24.1546, 0.3960, 0.3876



Tritanopia

24.3884, 0.2617, 0.3074

Trichromacy



Original Color

24.5270, 0.3068, 0.4545

Protanomaly

23.8163, 0.3546, 0.4322

Deuteranomaly

23.7804, 0.3600, 0.4119

Tritanomaly

24.2954, 0.2776, 0.3574

Monochromacy



Original Color

24.5270, 0.3068, 0.4545

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.3023, 0.3107, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5270, 0.3068, 0.4545 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, 150, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 150, 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, 150, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 150, 87) }
```

Border

The CSS property to change the border of an element to Yxy 24.5270, 0.3068, 0.4545 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, 150, 87) }
```

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

```
.border{ border-color:rgb(87, 150, 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, 150, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 150, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 150, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 150,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5270, 0.3068, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 150, 87) }
```

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

```
.background{ background-color: rgb(87, 150,  
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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