

Converting Colors

$Yxy(25.2065, 0.2764, 0.5150)$

Have a look what the booklet for
Yxy(25.2065, 0.2764, 0.5150)
contains.

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Color

Yxy(25.2642, 0.2762, 0.5143)

Conversions

Conversions Part 1

Format	Color
Hex	009F48
RGB	0, 159, 72
RGB Percent	0%, 62%, 28%
CMY	0.9999, 0.3765, 0.7177
CMYK	1.00, 0.00, 0.55, 0.38
HSL	147°, 100%, 31%
HSV	147°, 100%, 62%
XYZ	13.5679, 25.2642, 10.2914
YIQ	101.5410, -66.8370, -60.7650

Conversions

Conversions Part 2

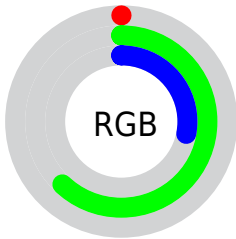
Format	Color
RYB	0, 109, 159
Decimal	40776
CIELab	57.33, -54.77, 35.33
CIELCh	57, 65.179, 147.176
Yxy	25.2642, 0.2762, 0.5143
Android (android.graphics.Color)	4278230856 (0xFF009F48)
YUV	101.5410, -14.5637, -89.0515
Hunter-Lab	50.2635, -39.7777, 23.0449

Details

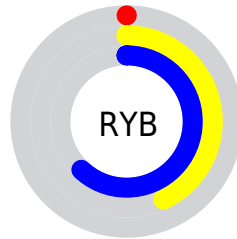
The Yxy color **25.2642, 0.2762, 0.5143** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.0604, 0.4738, 0.2384**, and the grayscale version is **13.2151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1548, 0.2875, 0.4687**, and **10.3699, 0.2915, 0.5694** is the 20% darker color. If you saturate the color by 10%, you get **25.2649, 0.2762, 0.5143**, and if you desaturate by 10%, it is **25.4963, 0.2736, 0.4952**.

Distribution



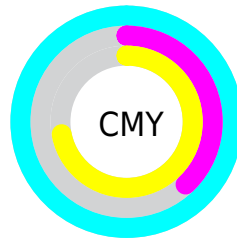
- Red (0%)
- Green (62%)
- Blue (28%)



- Red (0%)
- Yellow (43%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2642, 0.2762, 0.5143 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 25.2642, 0.2762, 0.5143 by changing the saturation by 10% instead.


 25.2642, 0.2762,
0.5143


 25.2642, 0.2762,
0.5143


279.1511, 0.3013,
0.4043


 16.2740, 0.2664,
0.5487


 52.0855, 0.2876,
0.4694


 9.7183, 0.2509,
0.5973


 70.6854, 0.2912,
0.4541


 5.2126, 0.2246,
0.6695

 93.2573, 0.2939,
0.4417

 2.3725, 0.1702,
0.8298

 120.1857, 0.2960,
0.4316

 0.8117, 0.0000,
1.0000

 151.8548, 0.2977,
0.4230

 0.0000, 0.0000,
0.0000

 188.6492, 0.2992,

0.4158

230.9532, 0.3003,
0.4096

■ 25.2642, 0.2762,
0.5143

■ 25.2642, 0.2762,
0.5143

■ 25.2649, 0.2762,
0.5143

■ 25.4963, 0.2736,
0.4952

■ 25.8295, 0.2723,
0.4750

■ 26.3027, 0.2729,
0.4540

■ 26.9321, 0.2754,
0.4329

■ 27.7316, 0.2794,
0.4123

■ 28.7135, 0.2847,
0.3927

■ 29.8889, 0.2910,
0.3745

■ 31.2680, 0.2979,
0.3577

■ 32.8603, 0.3052,
0.3426

Harmonies

Analogous

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



25.2642, 0.3759, 0.5321



25.2642, 0.2762, 0.5143



25.2642, 0.1916, 0.4026

Triad

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



25.2642, 0.2762, 0.5143



25.2642, 0.1615, 0.1752



25.2642, 0.5145, 0.3266

Complementary

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



25.2642, 0.2762, 0.5143



8.0604, 0.4738, 0.2384

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.



25.2642, 0.4340, 0.2604



25.2642, 0.2762, 0.5143



25.2642, 0.2214, 0.1778

Square

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



25.2642, 0.2762, 0.5143



25.2642, 0.1367, 0.2053



25.2642, 0.3188, 0.2077



25.2642, 0.5215, 0.3993

Rectangle

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



25.2642, 0.2762, 0.5143



25.2642, 0.1558, 0.3167



25.2642, 0.3188, 0.2077



25.2642, 0.4950, 0.3036

Sweetspot

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



25.2652, 0.2762, 0.5143



53.3931, 0.2906, 0.3755



26.8459, 0.3444, 0.5647



11.8412, 0.2880, 0.3826



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.2652, 0.2762, 0.5143



45.2073, 0.2771, 0.5176



27.0335, 0.2289, 0.3440



7.4485, 0.3058, 0.3415



19.9625, 0.2758, 0.5127



0.3654, 0.2546, 0.4367

Inverse Universe

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



8.0604, 0.4738, 0.2384



14.3938, 0.4774, 0.2403



7.3892, 0.6338, 0.3265



6.7038, 0.3203, 0.3168



6.3740, 0.4721, 0.2374



0.1224, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 25.2642, 0.2762, 0.5143 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 25.2642, 0.2762, 0.5143 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 25.2642, 0.2762, 0.5143

Background



This preview shows how black text looks on a background with the Yxy color 25.2642, 0.2762, 0.5143.



This preview shows how white text looks on a background with the Yxy color 25.2642, 0.2762, 0.5143.

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

25.2642, 0.2762, 0.5143

Protanopia

24.9484, 0.4051, 0.4423

Deuteranopia

24.9188, 0.4127, 0.4067



Tritanopia

25.4455, 0.2341, 0.3068

Trichromacy



Original Color

25.2642, 0.2762, 0.5143



Protanomaly

23.2095, 0.3326, 0.4795



Deuteranomaly

22.6497, 0.3364, 0.4533



Tritanomaly

24.7988, 0.2465, 0.3775

Monochromacy



Original Color

25.2642, 0.2762, 0.5143



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

16.0451, 0.2816, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2642, 0.2762, 0.5143 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(0, 159, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 72)  
}
```

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(0, 159, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 72) }
```

Border

The CSS property to change the border of an element to Yxy 25.2642, 0.2762, 0.5143 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(0, 159, 72) }
```

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

```
.border{ border-color:rgb(0, 159, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 159, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2642, 0.2762, 0.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 72) }
```

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

```
.background{ background-color: rgb(0, 159,  
72) }
```

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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