

Converting Colors

$Yxy(23.7486, 0.2668, 0.4712)$

Have a look what the booklet for
Yxy(23.7486, 0.2668, 0.4712)
contains.

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Color

Yxy(23.5886, 0.2669, 0.4716)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 0F9958 |
| RGB | 15, 153, 88 |
| RGB Percent | 6%, 60%, 35% |
| CMY | 0.9410, 0.4000, 0.6549 |
| CMYK | 0.90, 0.00, 0.42, 0.40 |
| HSL | 152°, 82%, 33% |
| HSV | 152°, 90%, 60% |
| XYZ | 13.3499, 23.5886, 13.0798 |
| YIQ | 104.3280, -61.3830, -49.4710 |

Conversions

Conversions Part 2

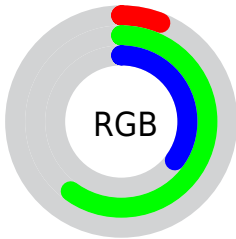
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 15, 105, 153 |
| Decimal | 1022296 |
| CIE _{Lab} | 55.67, -49.03, 24.89 |
| CIE _{LCh} | 56, 54.988, 153.085 |
| Yxy | 23.5886, 0.2669, 0.4716 |
| Android (android.graphics.Color) | 4279212376 (0xFF0F9958) |
| YUV | 104.3280, -8.0497, -78.3407 |
| Hunter-Lab | 48.5681, -35.9300, 18.0304 |

Details

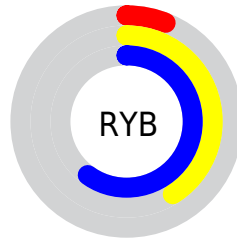
The Yxy color **23.5886, 0.2669, 0.4716** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.6956, 0.4798, 0.2502**, and the grayscale version is **13.9744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1495, 0.2786, 0.4356**, and **9.2744, 0.2776, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **23.3757, 0.2690, 0.4885**, and if you desaturate by 10%, it is **23.8943, 0.2661, 0.4538**.

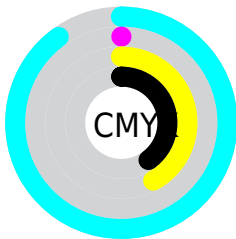
Distribution



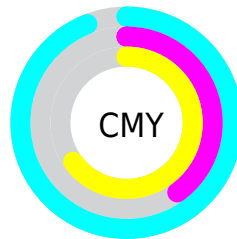
- Red (6%)
- Green (60%)
- Blue (35%)



- Red (6%)
- Yellow (41%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (42%)
- Black (40%)





- Cyan (94%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5886, 0.2669, 0.4716 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 23.5886, 0.2669, 0.4716 by changing the saturation by 10% instead.


 23.5886, 0.2669,
0.4716


 23.5886, 0.2669,
0.4716


270.7339, 0.2953,
0.3867


 15.0287, 0.2572,
0.4988


 49.3580, 0.2789,
0.4367


 8.8395, 0.2426,
0.5381


 67.3363, 0.2829,
0.4249

 4.6367, 0.2188,
0.5991

 89.2230, 0.2860,
0.4154

 2.0357, 0.1715,
0.7720

 115.4022, 0.2886,
0.4076

 0.6281, 0.0000,
1.0000

 146.2586, 0.2907,
0.4011

 0.0000, 0.0000,
0.0000

 182.1764, 0.2925,

0.3955

223.5400, 0.2940,
0.3908

■ 23.5886, 0.2669,
0.4716

■ 23.5886, 0.2669,
0.4716

■ 23.3757, 0.2690,
0.4885

■ 23.8943, 0.2661,
0.4538

■ 24.3234, 0.2673,
0.4357

■ 24.8912, 0.2703,
0.4177

■ 25.6103, 0.2749,
0.4002

■ 26.4916, 0.2809,
0.3836

■ 27.5452, 0.2880,
0.3681

■ 28.7801, 0.2958,
0.3538

■ 30.2048, 0.3040,
0.3408

■ 31.8272, 0.3126,
0.3292

Harmonies

Analogous

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



23.5886, 0.3554, 0.5081



23.5886, 0.2669, 0.4716



23.5886, 0.1959, 0.3707

Triad

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



23.5886, 0.2669, 0.4716



23.5886, 0.1860, 0.1902



23.5886, 0.4948, 0.3431

Complementary

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



23.5886, 0.2669, 0.4716



7.6956, 0.4798, 0.2502

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.



23.5886, 0.4355, 0.2805



23.5886, 0.2669, 0.4716



23.5886, 0.2475, 0.1971

Square

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



23.5886, 0.2669, 0.4716



23.5886, 0.1570, 0.2125



23.5886, 0.3386, 0.2290



23.5886, 0.4918, 0.4101

Rectangle

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



23.5886, 0.2669, 0.4716



23.5886, 0.1674, 0.3012



23.5886, 0.3386, 0.2290



23.5886, 0.4816, 0.3215

Sweetspot

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



23.5895, 0.2669, 0.4716



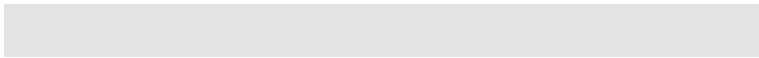
49.8786, 0.2900, 0.3642



24.5993, 0.3398, 0.5597



10.8719, 0.2876, 0.3687



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.



23.5895, 0.2669, 0.4716



41.8242, 0.2699, 0.4917



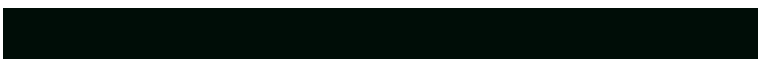
24.4396, 0.2251, 0.3243



6.9774, 0.3048, 0.3397



19.3259, 0.2687, 0.4873



0.2963, 0.2484, 0.4142

Inverse Universe

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



7.6956, 0.4798, 0.2502



12.9318, 0.5092, 0.2579



7.2189, 0.6164, 0.3313



6.2687, 0.3214, 0.3186



5.9916, 0.5032, 0.2546



0.0968, 0.4127, 0.2047

Previews

White Background



This preview shows how the Yxy color 23.5886, 0.2669, 0.4716 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 23.5886, 0.2669, 0.4716 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 23.5886, 0.2669, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 23.5886, 0.2669, 0.4716.



This preview shows how white text looks on a background with the Yxy color 23.5886, 0.2669, 0.4716.

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

23.5886, 0.2669, 0.4716

Protanopia

23.3740, 0.3852, 0.4185

Deuteranopia

23.1550, 0.3887, 0.3828



Tritanopia

23.5847, 0.2331, 0.3061

Trichromacy



Original Color

23.5886, 0.2669, 0.4716



Protanomaly

21.9774, 0.3225, 0.4437



Deuteranomaly

21.3843, 0.3227, 0.4166



Tritanomaly

23.3380, 0.2434, 0.3615

Monochromacy



Original Color

23.5886, 0.2669, 0.4716



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1786, 0.2814, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5886, 0.2669, 0.4716 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(15, 153, 88)` looks like.

```
.text, #text, p{  
    color:rgb(15, 153, 88)  
}
```

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(15, 153, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 153, 88) }
```

Border

The CSS property to change the border of an element to Yxy 23.5886, 0.2669, 0.4716 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(15, 153, 88) }
```

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

```
.border{ border-color:rgb(15, 153, 88) }
```

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

Here you see how a box with a 4 pixel rgb(15, 153, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 153, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 153, 88);  
box-shadow:4px 4px 4px 4px rgb(15, 153,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5886, 0.2669, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 153, 88) }
```

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

```
.background{ background-color: rgb(15, 153,  
88) }
```

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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