

Converting Colors

$Y_{xy}(15.7090, 0.2547, 0.4123)$

Have a look what the booklet for
Yxy(15.7090, 0.2547, 0.4123)
contains.

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Color

Yxy(15.6466, 0.2547, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	197D5C
RGB	25, 125, 92
RGB Percent	10%, 49%, 36%
CMY	0.9021, 0.5098, 0.6392
CMYK	0.80, 0.00, 0.26, 0.51
HSL	160°, 67%, 29%
HSV	160°, 80%, 49%
XYZ	9.6658, 15.6466, 12.6372
YIQ	91.3380, -49.0070, -31.4630

Conversions

Conversions Part 2

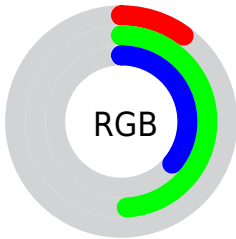
Format	Color
R_{YB}	25, 85, 125
Decimal	1670492
CIE _{Lab}	46.51, -36.05, 10.21
CIE _{LCh}	47, 37.465, 164.179
Yxy	15.6466, 0.2547, 0.4123
Android (android.graphics.Color)	4279860572 (0xFF197D5C)
YUV	91.3380, 0.3264, -58.1784
Hunter-Lab	39.5558, -25.6048, 8.7472

Details

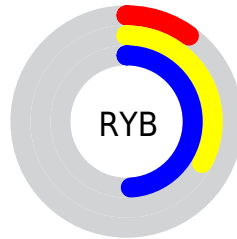
The Yxy color **15.6466, 0.2547, 0.4123** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.3591, 0.4918, 0.2755**, and the grayscale version is **10.5484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8200, 0.2696, 0.3904**, and **5.2294, 0.2578, 0.4479** is the 20% darker color. If you saturate the color by 10%, you get **15.4524, 0.2541, 0.4245**, and if you desaturate by 10%, it is **15.9171, 0.2572, 0.4001**.

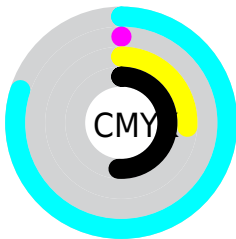
Distribution



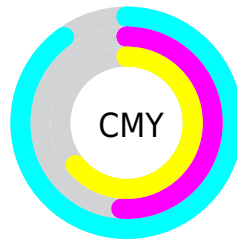
- Red (10%)
- Green (49%)
- Blue (36%)



- Red (10%)
- Yellow (33%)
- Blue (49%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (51%)




- Cyan (90%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6466, 0.2547, 0.4123 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 15.6466, 0.2547, 0.4123 by changing the saturation by 10% instead.


 15.6466, 0.2547,
0.4123


 15.6466, 0.2547,
0.4123


227.2473, 0.2898,
0.3611


 9.2744, 0.2429,
0.4301


 35.9836, 0.2694,
0.3905


 4.9206, 0.2253,
0.4573

 50.7172, 0.2743,
0.3834

 2.2008, 0.1962,
0.5038

 69.0067, 0.2782,
0.3778

 0.7204, 0.0000,
0.9111

 91.2366, 0.2813,
0.3732

 0.0000, 0.0000,
0.0000

 117.7912, 0.2840,
0.3694

 149.0549, 0.2862,

0.3662

185.4121, 0.2881,
0.3635

■ 15.6466, 0.2547,
0.4123

■ 15.6466, 0.2547,
0.4123

■ 15.4524, 0.2541,
0.4245

■ 15.9171, 0.2572,
0.4001

■ 15.3047, 0.2546,
0.4366

■ 16.2704, 0.2615,
0.3882

■ 16.7145, 0.2674,
0.3766

■ 17.2560, 0.2747,
0.3656

■ 17.9007, 0.2832,
0.3553

■ 18.6539, 0.2925,
0.3457

■ 19.5209, 0.3024,
0.3370

■ 20.5061, 0.3127,
0.3290

■ 21.6142, 0.3231,
0.3219

Harmonies

Analogous

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



15.6466, 0.3240, 0.4628



15.6466, 0.2547, 0.4123



15.6466, 0.2047, 0.3326

Triad

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



15.6466, 0.2547, 0.4123



15.6466, 0.2258, 0.2149



15.6466, 0.4617, 0.3653

Complementary

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



15.6466, 0.2547, 0.4123



5.3591, 0.4918, 0.2755

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.



15.6466, 0.4310, 0.3103



15.6466, 0.2547, 0.4123



15.6466, 0.2866, 0.2284

Square

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



15.6466, 0.2547, 0.4123



15.6466, 0.1909, 0.2255



15.6466, 0.3632, 0.2622



15.6466, 0.4458, 0.4195

Rectangle

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



15.6466, 0.2547, 0.4123



15.6466, 0.1872, 0.2842



15.6466, 0.3632, 0.2622



15.6466, 0.4567, 0.3466

Sweetspot

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



15.6472, 0.2547, 0.4123



32.7640, 0.2882, 0.3500



15.6471, 0.3268, 0.5516



7.3637, 0.2854, 0.3528



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.6472, 0.2547, 0.4123



27.4669, 0.2549, 0.4344



12.4819, 0.2194, 0.2883



4.8635, 0.3033, 0.3362



15.9712, 0.2547, 0.4368



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.3591, 0.4918, 0.2755



8.2569, 0.5508, 0.2845



6.0606, 0.5526, 0.3545



4.3658, 0.3231, 0.3219



4.7181, 0.5576, 0.2845



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.6466, 0.2547, 0.4123 looks on a white 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

Black Background



This preview shows how the Yxy color 15.6466, 0.2547, 0.4123 looks on a black 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

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

Yxy 15.6466, 0.2547, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 15.6466, 0.2547, 0.4123.



This preview shows how white text looks on a background with the Yxy color 15.6466, 0.2547, 0.4123.

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

15.6466, 0.2547, 0.4123

Protanopia

15.3751, 0.3556, 0.3785

Deuteranopia

15.5126, 0.3536, 0.3489



Tritanopia

15.6255, 0.2328, 0.3063

Trichromacy



Original Color

15.6466, 0.2547, 0.4123

Protanomaly

14.8509, 0.3048, 0.3920

Deuteranomaly

14.7603, 0.3031, 0.3700

Tritanomaly

15.5921, 0.2400, 0.3430

Monochromacy



Original Color

15.6466, 0.2547, 0.4123

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.6491, 0.2797, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6466, 0.2547, 0.4123 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(25, 125, 92)` looks like.

```
.text, #text, p{  
    color:rgb(25, 125, 92)  
}
```

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(25, 125, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 125, 92) }
```

Border

The CSS property to change the border of an element to Yxy 15.6466, 0.2547, 0.4123 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(25, 125, 92) }
```

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

```
.border{ border-color:rgb(25, 125, 92) }
```

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

Here you see how a box with a 4 pixel rgb(25, 125, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 125, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 125, 92);  
box-shadow:4px 4px 4px 4px rgb(25, 125,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6466, 0.2547, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 125, 92) }
```

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

```
.background{ background-color: rgb(25, 125,  
92) }
```

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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