

Converting Colors

$Y_{xy}(10.2182, 0.3058, 0.4756)$

Have a look what the booklet for
Yxy(10.2182, 0.3058, 0.4756)
contains.

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Color

$Y_{xy}(10.2158, 0.3058, 0.4773)$

Conversions

Conversions Part 1

Format	Color
Hex	326532
RGB	50, 101, 50
RGB Percent	20%, 40%, 20%
CMY	0.8039, 0.6039, 0.8040
CMYK	0.50, 0.00, 0.51, 0.60
HSL	120°, 34%, 30%
HSV	120°, 51%, 40%
XYZ	6.5451, 10.2158, 4.6424
YIQ	79.9370, -14.0250, -26.6730

Conversions

Conversions Part 2

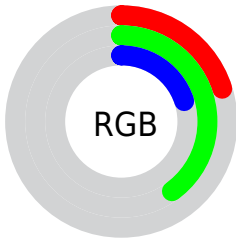
Format	Color
RYB	50, 101, 101
Decimal	3302706
CIELab	38.23, -28.80, 23.62
CIELCh	38, 37.247, 140.633
Yxy	10.2158, 0.3058, 0.4773
Android (android.graphics.Color)	4281492786 (0xFF326532)
YUV	79.9370, -14.7589, -26.2547
Hunter-Lab	31.9622, -19.3810, 13.7619

Details

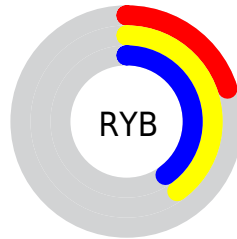
The Yxy color **10.2158, 0.3058, 0.4773** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9840, 0.3180, 0.2150**, and the grayscale version is **8.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0289, 0.3106, 0.4337**, and **2.5550, 0.2950, 0.5820** is the 20% darker color. If you saturate the color by 10%, you get **9.9095, 0.3042, 0.5104**, and if you desaturate by 10%, it is **10.5988, 0.3074, 0.4437**.

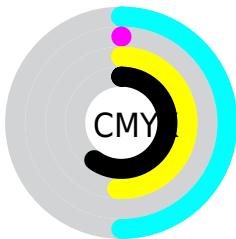
Distribution



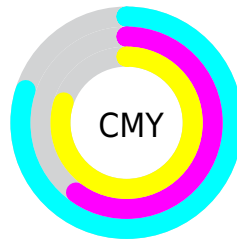
- Red (20%)
- Green (40%)
- Blue (20%)



- Red (20%)
- Yellow (40%)
- Blue (40%)



- Cyan (50%)
- Magenta (0%)
- Yellow (51%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2158, 0.3058, 0.4773 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 10.2158, 0.3058, 0.4773 by changing the saturation by 10% instead.


 10.2158, 0.3058,
0.4773


 10.2158, 0.3058,
0.4773


192.2054, 0.3133,
0.3800


 5.5423, 0.2998,
0.5156

 26.2006, 0.3105,
0.4336


 2.5688, 0.2901,
0.5856


 38.2807, 0.3115,
0.4200

 0.9110, 0.1515,
0.8485

 53.5984, 0.3122,
0.4095

 0.0000, 0.0000,
0.0000

 72.5382, 0.3126,
0.4012

 95.4843, 0.3129,
0.3944

 122.8213, 0.3131,

0.3888

154.9336, 0.3132,
0.3841

■ 10.2158, 0.3058,
0.4773

■ 10.2158, 0.3058,
0.4773

■ 9.9095, 0.3042,
0.5104

■ 10.5988, 0.3074,
0.4437

■ 9.6736, 0.3028,
0.5409

■ 11.0617, 0.3089,
0.4114

■ 9.5029, 0.3016,
0.5664

■ 11.6093, 0.3103,
0.3814

■ 9.3908, 0.3007,
0.5851

■ 12.2455, 0.3115,
0.3542

■ 9.3080, 0.3000,
0.6000

■ 12.9740, 0.3127,
0.3302

■ 13.7982, 0.3136,
0.3091

■ 14.7214, 0.3145,
0.2907

■ 15.7467, 0.3152,
0.2749

■ 16.8772, 0.3159,
0.2612

Harmonies

Analogous

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



10.2158, 0.3865, 0.4836



10.2158, 0.3058, 0.4773



10.2158, 0.2313, 0.4066

Triad

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



10.2158, 0.3058, 0.4773



10.2158, 0.1822, 0.2074



10.2158, 0.4602, 0.3191

Complementary

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



10.2158, 0.3058, 0.4773



5.9840, 0.3180, 0.2150

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.



10.2158, 0.3889, 0.2640



10.2158, 0.3058, 0.4773



10.2158, 0.2268, 0.2026

Square

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



10.2158, 0.3058, 0.4773



10.2158, 0.1673, 0.2423



10.2158, 0.3001, 0.2229



10.2158, 0.4825, 0.3803

Rectangle

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



10.2158, 0.3058, 0.4773



10.2158, 0.1955, 0.3428



10.2158, 0.3001, 0.2229



10.2158, 0.4408, 0.2997

Sweetspot

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



10.2162, 0.3058, 0.4773



20.4670, 0.3109, 0.3672



12.1401, 0.3829, 0.4421



4.9960, 0.3107, 0.3713



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.2162, 0.3058, 0.4773



16.9131, 0.3039, 0.5174



10.4883, 0.2785, 0.4042



3.1427, 0.3117, 0.3502



12.2050, 0.3000, 0.6000



63.6543, 0.3000, 0.6000

Inverse Universe

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



5.9840, 0.3180, 0.2150



8.7017, 0.3190, 0.1927



5.5730, 0.3733, 0.2659



2.8889, 0.3137, 0.3087



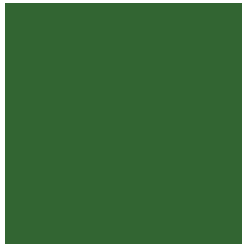
4.8546, 0.3208, 0.1541



25.3178, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 10.2158, 0.3058, 0.4773 looks on a white background.

Color Contrast Check

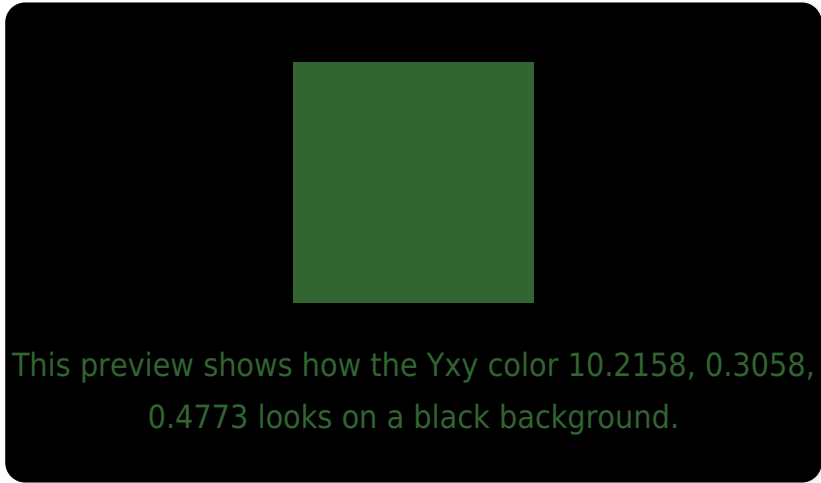
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

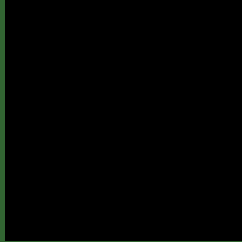
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2158, 0.3058, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 10.2158, 0.3058, 0.4773.



This preview shows how white text looks on a background with the Yxy color 10.2158, 0.3058, 0.4773.

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

10.2158, 0.3058, 0.4773

Protanopia

10.1622, 0.3953, 0.4322

Deuteranopia

10.1731, 0.4058, 0.4008



Tritanopia

10.1558, 0.2568, 0.3081

Trichromacy



Original Color

10.2158, 0.3058, 0.4773

Protanomaly

9.9600, 0.3585, 0.4514

Deuteranomaly

9.8139, 0.3649, 0.4259

Tritanomaly

10.0593, 0.2745, 0.3651

Monochromacy



Original Color

10.2158, 0.3058, 0.4773

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.6743, 0.3102, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2158, 0.3058, 0.4773 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(50, 101, 50)` looks like.

```
.text, #text, p{  
    color:rgb(50, 101, 50)  
}
```

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(50, 101, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 101, 50) }
```

Border

The CSS property to change the border of an element to Yxy 10.2158, 0.3058, 0.4773 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(50, 101, 50) }
```

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

```
.border{ border-color:rgb(50, 101, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 101, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 101, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 101, 50);  
box-shadow:4px 4px 4px 4px rgb(50, 101,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2158, 0.3058, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 101, 50) }
```

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

```
.background{ background-color: rgb(50, 101,  
50) }
```

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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