

Converting Colors

$Y_{xy}(10.7543, 0.3657, 0.5478)$

Have a look what the booklet for
Yxy(10.7543, 0.3657, 0.5478)
contains.

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Color

Yxy(10.7680, 0.3663, 0.5474)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 456600 |
| RGB | 69, 102, 0 |
| RGB Percent | 27%, 40%, 0% |
| CMY | 0.7294, 0.6000, 1.0000 |
| CMYK | 0.32, 0.00, 1.00, 0.60 |
| HSL | 79°, 100%, 20% |
| HSV | 79°, 100%, 40% |
| XYZ | 7.2056, 10.7680, 1.6976 |
| YIQ | 80.5050, 13.0740, -38.7180 |

Conversions

Conversions Part 2

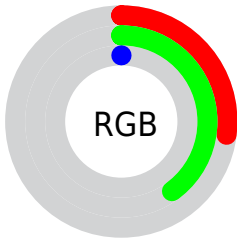
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 102, 33 |
| Decimal | 4548096 |
| CIELab | 39.19, -26.26, 45.19 |
| CIELCh | 39, 52.262, 120.163 |
| Yxy | 10.7680, 0.3663, 0.5474 |
| Android (android.graphics.Color) | 4282738176 (0xFF456600) |
| YUV | 80.5050, -39.6890, -10.0899 |
| Hunter-Lab | 32.8146, -18.2300, 19.9030 |

Details

The Yxy color **10.7680, 0.3663, 0.5474** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.2827, 0.1783, 0.0756**, and the grayscale version is **8.2038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1529, 0.3619, 0.4903**, and **2.8515, 0.3250, 0.5802** is the 20% darker color. If you saturate the color by 10%, you get **10.7685, 0.3663, 0.5474**, and if you desaturate by 10%, it is **10.9150, 0.3674, 0.5345**.

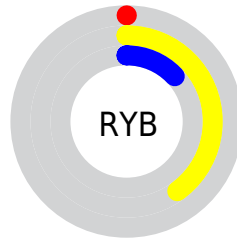
Distribution



Red (27%)

Green (40%)

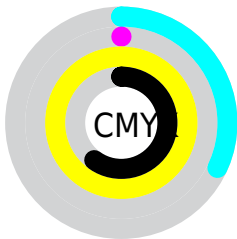
Blue (0%)



Red (0%)

Yellow (40%)

Blue (13%)

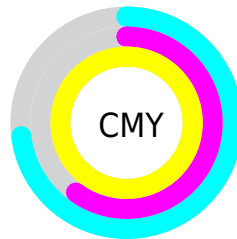


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (73%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7680, 0.3663, 0.5474 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 10.7680, 0.3663, 0.5474 by changing the saturation by 10% instead.


 10.7680, 0.3663,
0.5474

 10.7680, 0.3663,
0.5474


 196.0689, 0.3432,
0.4107


 5.9111, 0.3672,
0.5966

 27.2304, 0.3618,
0.4905


 2.7911, 0.3495,
0.6505


 39.6046, 0.3585,
0.4712

 1.0237, 0.2413,
0.7587

 55.2533, 0.3553,
0.4558


 0.0000, 0.0000,
0.0000


 74.5610, 0.3523,
0.4433


 97.9120, 0.3497,
0.4330


 125.6907, 0.3473,


0.4244


 158.2815, 0.3451,
0.4170


 10.7680, 0.3663,
0.5474


 10.7680, 0.3663,
0.5474

 10.7685, 0.3663,
0.5474

 10.9150, 0.3674,
0.5345

 11.0755, 0.3674,
0.5197

 11.2582, 0.3653,
0.5009

 11.4649, 0.3610,
0.4788

 11.6972, 0.3550,
0.4543

■ 11.9565, 0.3477,
0.4286

■ 12.2440, 0.3395,
0.4025

■ 12.5610, 0.3307,
0.3769

■ 12.9085, 0.3217,
0.3522

Harmonies

Analogous

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



10.7680, 0.4631, 0.4882



10.7680, 0.3663, 0.5474



10.7680, 0.2623, 0.5203

Triad

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



10.7680, 0.3663, 0.5474



10.7680, 0.1298, 0.1932



10.7680, 0.4529, 0.2626

Complementary

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



10.7680, 0.3663, 0.5474



1.2827, 0.1783, 0.0756

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.



10.7680, 0.3306, 0.2061



10.7680, 0.3663, 0.5474



10.7680, 0.1587, 0.1666

Square

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



10.7680, 0.3663, 0.5474



10.7680, 0.1341, 0.2654



10.7680, 0.2246, 0.1726



10.7680, 0.5312, 0.3317

Rectangle

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



10.7680, 0.3663, 0.5474



10.7680, 0.2016, 0.4410



10.7680, 0.2246, 0.1726



10.7680, 0.4137, 0.2418

Sweetspot

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



10.7685, 0.3663, 0.5474



21.4266, 0.3402, 0.4048



3.8743, 0.5824, 0.3758



5.0188, 0.3427, 0.4124



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.



10.7685, 0.3663, 0.5474



18.8243, 0.3648, 0.5485



9.6388, 0.3086, 0.5932



3.2258, 0.3207, 0.3497



13.8084, 0.3656, 0.5479



71.5322, 0.3625, 0.5504

Inverse Universe

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



1.2827, 0.1783, 0.0756



2.1939, 0.1757, 0.0741



2.8121, 0.2774, 0.1302



2.8027, 0.3043, 0.3081



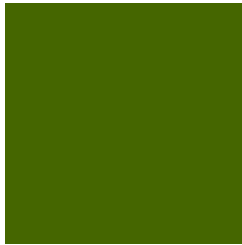
1.6277, 0.1771, 0.0749



8.0615, 0.1717, 0.0720

Previews

White Background



This preview shows how the Yxy color 10.7680, 0.3663, 0.5474 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 10.7680, 0.3663, 0.5474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

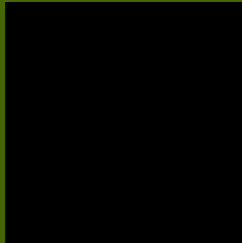
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7680, 0.3663, 0.5474

Background



This preview shows how black text looks on a background with the Yxy color 10.7680, 0.3663, 0.5474.



This preview shows how white text looks on a background with the Yxy color 10.7680, 0.3663, 0.5474.

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

10.7680, 0.3663, 0.5474

Protanopia

10.5973, 0.4399, 0.4889

Deuteranopia

10.5799, 0.4578, 0.4511



Tritanopia

10.8060, 0.2803, 0.3117

Trichromacy



Original Color

10.7680, 0.3663, 0.5474

Protanomaly

10.5899, 0.4108, 0.5120

Deuteranomaly

10.3360, 0.4251, 0.4857

Tritanomaly

10.6129, 0.3231, 0.4170

Monochromacy



Original Color

10.7680, 0.3663, 0.5474

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.9705, 0.3483, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7680, 0.3663, 0.5474 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(69, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 102, 0)  
}
```

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(69, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7680, 0.3663, 0.5474 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(69, 102, 0) }
```

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

```
.border{ border-color:rgb(69, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7680, 0.3663, 0.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 102, 0) }
```

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

```
.background{ background-color: rgb(69, 102,  
0) }
```

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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