

Converting Colors

$Y_{xy}(10.8258, 0.3638, 0.4615)$

Have a look what the booklet for
Yxy(10.8258, 0.3638, 0.4615)
contains.

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Color

Yxy(10.8096, 0.3627, 0.4614)

Conversions

Conversions Part 1

Format	Color
Hex	54622D
RGB	84, 98, 45
RGB Percent	33%, 38%, 18%
CMY	0.6706, 0.6157, 0.8235
CMYK	0.14, 0.00, 0.54, 0.62
HSL	76°, 37%, 28%
HSV	76°, 54%, 38%
XYZ	8.4973, 10.8096, 4.1210
YIQ	87.7720, 8.6690, -19.4510

Conversions

Conversions Part 2

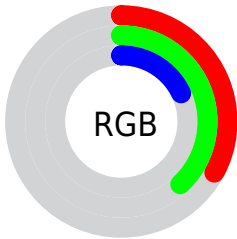
Format	Color
R_{YB}	45, 98, 59
Decimal	5530157
CIE _{Lab}	39.26, -14.61, 28.12
CIE _{LCh}	39, 31.691, 117.450
Yxy	10.8096, 0.3627, 0.4614
Android (android.graphics.Color)	4283720237 (0xFF54622D)
YUV	87.7720, -21.0866, -3.3080
Hunter-Lab	32.8780, -11.4033, 15.5831

Details

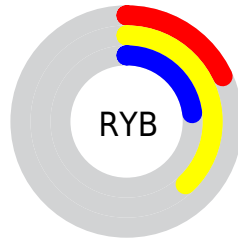
The Yxy color **10.8096, 0.3627, 0.4614** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.6885, 0.2396, 0.1787**, and the grayscale version is **9.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4185, 0.3525, 0.4263**, and **2.8493, 0.3767, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **10.6259, 0.3690, 0.4839**, and if you desaturate by 10%, it is **11.0163, 0.3549, 0.4371**.

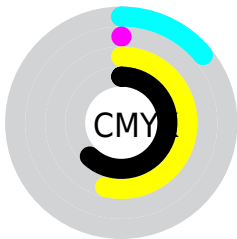
Distribution



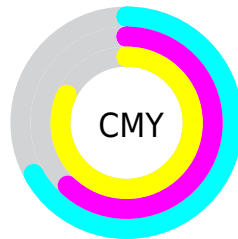
- Red (33%)
- Green (38%)
- Blue (18%)



- Red (18%)
- Yellow (38%)
- Blue (23%)



- Cyan (14%)
- Magenta (0%)
- Yellow (54%)
- Black (62%)





- Cyan (67%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8096, 0.3627, 0.4614 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 10.8096, 0.3627, 0.4614 by changing the saturation by 10% instead.


 10.8096, 0.3627,
0.4614


 10.8096, 0.3627,
0.4614


196.3566, 0.3345,
0.3778


 5.9390, 0.3694,
0.4908

 27.3075, 0.3521,
0.4254


 2.8080, 0.3839,
0.5469


 39.7036, 0.3481,
0.4137

 1.0323, 0.3743,
0.6257

 55.3770, 0.3448,
0.4045

 0.0000, 0.0000,
0.0000

 74.7120, 0.3421,
0.3970

 98.0931, 0.3397,
0.3909

 125.9046, 0.3377,

0.3858

158.5310, 0.3360,
0.3815

■ 10.8096, 0.3627,
0.4614

■ 10.8096, 0.3627,
0.4614

■ 10.6259, 0.3690,
0.4839

■ 11.0163, 0.3549,
0.4371

■ 10.4623, 0.3734,
0.5037

■ 11.2456, 0.3460,
0.4118

■ 10.3180, 0.3757,
0.5198

■ 11.4990, 0.3364,
0.3865

■ 10.1902, 0.3760,
0.5324

■ 11.7777, 0.3266,
0.3619

■ 10.1178, 0.3760,
0.5397

■ 12.0825, 0.3167,
0.3383

■ 12.4142, 0.3071,
0.3161

■ 12.7738, 0.2978,
0.2954

■ 13.1620, 0.2890,
0.2765

■ 13.5796, 0.2808,
0.2591

Harmonies

Analogous

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



10.8096, 0.4222, 0.4364



10.8096, 0.3627, 0.4614



10.8096, 0.2933, 0.4410

Triad

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



10.8096, 0.3627, 0.4614



10.8096, 0.1880, 0.2472



10.8096, 0.3926, 0.2841

Complementary

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



10.8096, 0.3627, 0.4614



3.6885, 0.2396, 0.1787

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.



10.8096, 0.3195, 0.2444



10.8096, 0.3627, 0.4614



10.8096, 0.2071, 0.2218

Square

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



10.8096, 0.3627, 0.4614



10.8096, 0.1962, 0.3010



10.8096, 0.2524, 0.2221



10.8096, 0.4444, 0.3345

Rectangle

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



10.8096, 0.3627, 0.4614



10.8096, 0.2509, 0.4007



10.8096, 0.2524, 0.2221



10.8096, 0.3692, 0.2693

Sweetspot

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



10.8101, 0.3627, 0.4614



20.5175, 0.3289, 0.3677



5.8377, 0.4367, 0.3623



4.8612, 0.3302, 0.3709



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.8101, 0.3627, 0.4614



18.5346, 0.3705, 0.4899



9.8324, 0.3225, 0.4804



2.9382, 0.3214, 0.3494



13.4513, 0.3753, 0.5402



71.4162, 0.3726, 0.5424

Inverse Universe

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



3.6885, 0.2396, 0.1787



4.5702, 0.2182, 0.1411



4.6783, 0.2905, 0.1979



2.5445, 0.3036, 0.3082



1.4450, 0.1697, 0.0709



7.3413, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 10.8096, 0.3627, 0.4614 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 10.8096, 0.3627, 0.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

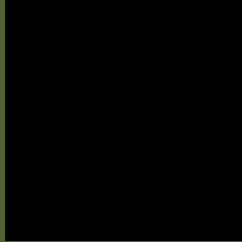
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8096, 0.3627, 0.4614

Background



This preview shows how black text looks on a background with the Yxy color 10.8096, 0.3627, 0.4614.



This preview shows how white text looks on a background with the Yxy color 10.8096, 0.3627, 0.4614.

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

10.8096, 0.3627, 0.4614

Protanopia

10.6535, 0.4022, 0.4398

Deuteranopia

10.7036, 0.4194, 0.4144



Tritanopia

10.7793, 0.3012, 0.3124

Trichromacy



Original Color

10.8096, 0.3627, 0.4614

Protanomaly

10.6202, 0.3865, 0.4472

Deuteranomaly

10.6843, 0.3969, 0.4319

Tritanomaly

10.6446, 0.3250, 0.3666

Monochromacy



Original Color

10.8096, 0.3627, 0.4614

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.1484, 0.3344, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8096, 0.3627, 0.4614 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(84, 98, 45) looks like.

```
.text, #text, p{  
    color:rgb(84, 98, 45)  
}
```

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(84, 98, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 98, 45) }
```

Border

The CSS property to change the border of an element to Yxy 10.8096, 0.3627, 0.4614 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(84, 98, 45) }
```

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

```
.border{ border-color:rgb(84, 98, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 98, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 98, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 98, 45);  
box-shadow:4px 4px 4px 4px rgb(84, 98, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8096, 0.3627, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 98, 45) }
```

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

```
.background{ background-color: rgb(84, 98,  
45) }
```

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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