

Converting Colors

$Y_{xy}(10.7207, 0.5659, 0.3643)$

Have a look what the booklet for
Yxy(10.7207, 0.5659, 0.3643)
contains.

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Color

Yxy(10.7787, 0.5658, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	A33918
RGB	163, 57, 24
RGB Percent	64%, 22%, 9%
CMY	0.3608, 0.7764, 0.9060
CMYK	0.00, 0.65, 0.85, 0.36
HSL	14°, 74%, 37%
HSV	14°, 85%, 64%
XYZ	16.7314, 10.7787, 2.0611
YIQ	84.9320, 73.7690, 12.2090

Conversions

Conversions Part 2

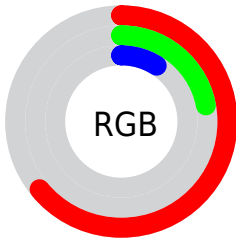
Format	Color
R_{YB}	163, 67, 24
Decimal	10696984
CIE _{Lab}	39.21, 42.27, 41.88
CIE _{LCh}	39, 59.502, 44.736
Yxy	10.7787, 0.5658, 0.3645
Android (android.graphics.Color)	4288887064 (0xFFA33918)
YUV	84.9320, -30.0395, 68.4656
Hunter-Lab	32.8309, 33.5135, 19.2594

Details

The Yxy color **10.7787, 0.5658, 0.3645** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.7909, 0.2100, 0.2638**, and the grayscale version is **9.1222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2395, 0.5058, 0.3689**, and **2.8836, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.6482, 0.5962, 0.3580**, and if you desaturate by 10%, it is **12.2514, 0.5289, 0.3672**.

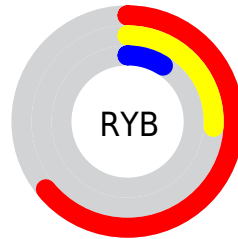
Distribution



Red (64%)

Green (22%)

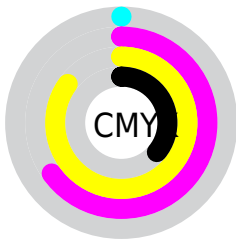
Blue (9%)



Red (64%)

Yellow (26%)

Blue (9%)

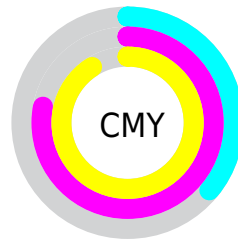


Cyan (0%)

Magenta (65%)

Yellow (85%)

Black (36%)



Cyan (36%)

Magenta (78%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7787, 0.5658, 0.3645 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 10.7787, 0.5658, 0.3645 by changing the saturation by 10% instead.


 10.7787, 0.5658,
0.3645


 10.7787, 0.5658,
0.3645


196.1429, 0.4152,
0.3591


 5.9182, 0.6089,
0.3555

 27.2502, 0.5065,
0.3689


 2.7954, 0.6652,
0.3348

 39.6300, 0.4853,
0.3682

 1.0259, 0.7181,
0.2819

 55.2851, 0.4680,
0.3669

 0.0000, 1.0000,
0.0000

 74.5998, 0.4537,
0.3653

 0.0000, 0.0000,
0.0000

 97.9586, 0.4417,
0.3637


 125.7457, 0.4315,


0.3621


 158.3457, 0.4228,
0.3605

 10.7787, 0.5658,
0.3645


 10.7787, 0.5658,
0.3645


 9.6482, 0.5962,
0.3580


 12.2514, 0.5289,
0.3672

 9.2200, 0.6088,
0.3548

 14.0912, 0.4897,
0.3663

 16.3223, 0.4517,
0.3626

 18.9661, 0.4171,
0.3572

 22.0427, 0.3868,
0.3510

■ 25.5705, 0.3610,
0.3445

■ 29.5670, 0.3393,
0.3381

■ 34.0486, 0.3211,
0.3320

■ 39.0311, 0.3059,
0.3264

Harmonies

Analogous

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



10.7787, 0.5249, 0.2884



10.7787, 0.5658, 0.3645



10.7787, 0.5191, 0.4511

Triad

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



10.7787, 0.5658, 0.3645



10.7787, 0.2025, 0.4878



10.7787, 0.1722, 0.1506

Complementary

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



10.7787, 0.5658, 0.3645



18.7909, 0.2100, 0.2638

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.



10.7787, 0.1238, 0.1597



10.7787, 0.5658, 0.3645



10.7787, 0.1332, 0.3216

Square

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



10.7787, 0.5658, 0.3645



10.7787, 0.3094, 0.5818



10.7787, 0.1106, 0.2092



10.7787, 0.2654, 0.1717

Rectangle

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



10.7787, 0.5658, 0.3645



10.7787, 0.4586, 0.5137



10.7787, 0.1106, 0.2092



10.7787, 0.1516, 0.1500

Sweetspot

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



10.7793, 0.5658, 0.3645



45.0035, 0.3638, 0.3453



10.0648, 0.3764, 0.1943



9.6280, 0.3720, 0.3474



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.7793, 0.5658, 0.3645



16.2523, 0.6117, 0.3525



22.7537, 0.4587, 0.4594



7.3466, 0.3279, 0.3344



7.2271, 0.6073, 0.3560



0.2193, 0.5432, 0.4069

Inverse Universe

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



18.7909, 0.2100, 0.2638



30.3471, 0.2027, 0.2496



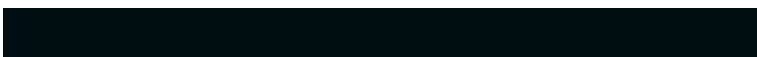
6.1801, 0.1724, 0.1231



7.7246, 0.2987, 0.3235



13.3815, 0.2033, 0.2519



0.3468, 0.2119, 0.2830

Previews

White Background



This preview shows how the Yxy color 10.7787, 0.5658, 0.3645 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 10.7787, 0.5658, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

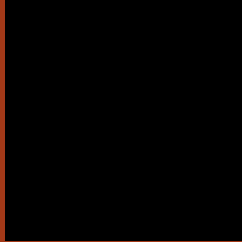
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7787, 0.5658, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 10.7787, 0.5658, 0.3645.



This preview shows how white text looks on a background with the Yxy color 10.7787, 0.5658, 0.3645.

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

10.7787, 0.5658, 0.3645

Protanopia

10.8816, 0.4159, 0.4573

Deuteranopia

10.8420, 0.4678, 0.4616



Tritanopia

10.8263, 0.5225, 0.3257

Trichromacy



Original Color

10.7787, 0.5658, 0.3645

Protanomaly

10.1910, 0.4750, 0.4187

Deuteranomaly

10.4026, 0.5092, 0.4220

Tritanomaly

10.8144, 0.5422, 0.3419

Monochromacy



Original Color

10.7787, 0.5658, 0.3645

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.9017, 0.4088, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7787, 0.5658, 0.3645 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(163, 57, 24)` looks like.

```
.text, #text, p{  
    color:rgb(163, 57, 24)  
}
```

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(163, 57, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 57, 24) }
```

Border

The CSS property to change the border of an element to Yxy 10.7787, 0.5658, 0.3645 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(163, 57, 24) }
```

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

```
.border{ border-color:rgb(163, 57, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 57, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 57, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 57, 24);  
box-shadow:4px 4px 4px 4px rgb(163, 57,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7787, 0.5658, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 57, 24) }
```

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

```
.background{ background-color: rgb(163, 57,  
24) }
```

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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