

Converting Colors

$Y_{xy}(18.9606, 0.5806, 0.3335)$

Have a look what the booklet for
Yxy(18.9606, 0.5806, 0.3335)
contains.

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Color

Yxy(18.9702, 0.5798, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	E13732
RGB	225, 55, 50
RGB Percent	88%, 22%, 20%
CMY	0.1177, 0.7842, 0.8040
CMYK	0.00, 0.76, 0.78, 0.12
HSL	2°, 74%, 54%
HSV	2°, 78%, 88%
XYZ	32.9902, 18.9702, 4.9389
YIQ	105.2600, 102.9250, 34.4850

Conversions

Conversions Part 2

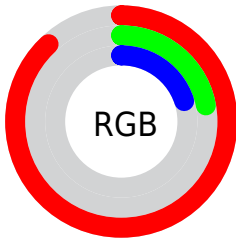
Format	Color
R_{YB}	225, 55, 50
Decimal	14759730
CIE _{Lab}	50.65, 64.09, 43.59
CIE _{LCh}	51, 77.511, 34.221
Yxy	18.9702, 0.5798, 0.3334
Android (android.graphics.Color)	4292949810 (0xFFE13732)
YUV	105.2600, -27.2432, 105.0120
Hunter-Lab	43.5548, 58.9823, 23.7652

Details

The Yxy color **18.9702, 0.5798, 0.3334** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **57.2675, 0.2276, 0.3219**, and the grayscale version is **14.2592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4033, 0.4979, 0.3455**, and **7.5880, 0.6362, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **17.1849, 0.6152, 0.3324**, and if you desaturate by 10%, it is **21.7713, 0.5347, 0.3338**.

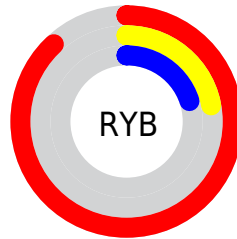
Distribution



Red (88%)

Green (22%)

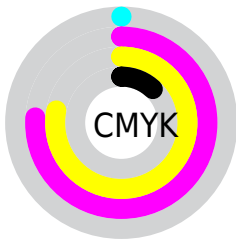
Blue (20%)



Red (88%)

Yellow (22%)

Blue (20%)

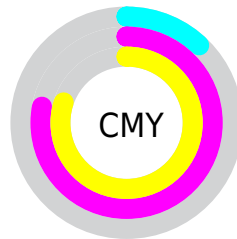


Cyan (0%)

Magenta (76%)

Yellow (78%)

Black (12%)



Cyan (12%)


Magenta (78%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9702, 0.5798, 0.3334 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 18.9702, 0.5798, 0.3334 by changing the saturation by 10% instead.


 18.9702, 0.5798,
0.3334


 18.9702, 0.5798,
0.3334


246.2842, 0.4317,
0.3460


 11.6487, 0.6175,
0.3229


 41.6837, 0.5243,
0.3430

 6.5050, 0.6647,
0.3049


 57.8446, 0.5037,
0.3450


 3.1545, 0.7253,
0.2747

 77.7208, 0.4866,
0.3461

 1.2129, 0.7823,
0.2177

 101.6965, 0.4721,
0.3466

 0.0722, 0.9635,
0.0365

 130.1564, 0.4597,
0.3467

 0.0000, 1.0000,
0.0000

 163.4847, 0.4491,

 0.0000, 0.0000,

0.3466

0.0000

202.0658, 0.4399,
0.3464

■ 18.9702, 0.5798,
0.3334

■ 18.9702, 0.5798,
0.3334

■ 17.1849, 0.6152,
0.3324

■ 21.7713, 0.5347,
0.3338

■ 16.2635, 0.6354,
0.3312

■ 25.7048, 0.4873,
0.3336

■ 16.1464, 0.6384,
0.3313


■ 30.8751, 0.4430,
0.3330


■ 37.3737, 0.4046,
0.3322

■ 45.2837, 0.3727,
0.3313

 54.6812, 0.3468,
0.3304

 65.6371, 0.3260,
0.3296

 78.2176, 0.3093,
0.3288

 92.4851, 0.2959,
0.3282

Harmonies

Analogous

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



18.9702, 0.5010, 0.2579



18.9702, 0.5798, 0.3334



18.9702, 0.5543, 0.4181

Triad

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



18.9702, 0.5798, 0.3334



18.9702, 0.2295, 0.5566



18.9702, 0.1419, 0.1408

Complementary

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



18.9702, 0.5798, 0.3334



57.2675, 0.2276, 0.3219

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.



18.9702, 0.1058, 0.1619



18.9702, 0.5798, 0.3334



18.9702, 0.1411, 0.3802

Square

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



18.9702, 0.5798, 0.3334



18.9702, 0.3465, 0.5972



18.9702, 0.1036, 0.2324



18.9702, 0.2211, 0.1523

Rectangle

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



18.9702, 0.5798, 0.3334



18.9702, 0.4982, 0.4836



18.9702, 0.1036, 0.2324



18.9702, 0.1258, 0.1438

Sweetspot

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



18.9713, 0.5798, 0.3334



65.6688, 0.3600, 0.3309



23.5632, 0.3236, 0.1680



13.1186, 0.3699, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.9713, 0.5798, 0.3334



21.9853, 0.6289, 0.3317



35.1100, 0.4900, 0.4190



13.7635, 0.3291, 0.3297



9.3345, 0.6379, 0.3317



0.6697, 0.6314, 0.3368

Inverse Universe

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



57.2675, 0.2276, 0.3219



74.5796, 0.2230, 0.3204



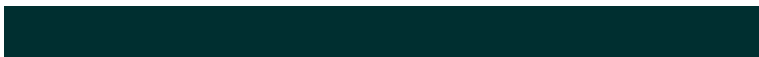
23.3215, 0.1938, 0.1922



15.5009, 0.2982, 0.3283



32.2109, 0.2222, 0.3200



2.2544, 0.2226, 0.3214

Previews

White Background



This preview shows how the Yxy color 18.9702, 0.5798, 0.3334 looks on a white 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

Black Background



This preview shows how the Yxy color 18.9702, 0.5798, 0.3334 looks on a black 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

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

Yxy 18.9702, 0.5798, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 18.9702, 0.5798, 0.3334.



This preview shows how white text looks on a background with the Yxy color 18.9702, 0.5798, 0.3334.

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

18.9702, 0.5798, 0.3334

Protanopia

19.1035, 0.3891, 0.4220

Deuteranopia

19.0704, 0.4526, 0.4446



Tritanopia

18.9314, 0.5737, 0.3283

Trichromacy



Original Color

18.9702, 0.5798, 0.3334

Protanomaly

17.0153, 0.4665, 0.3798

Deuteranomaly

17.5796, 0.5108, 0.3917

Tritanomaly

18.9122, 0.5761, 0.3298

Monochromacy



Original Color

18.9702, 0.5798, 0.3334

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8618, 0.4187, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9702, 0.5798, 0.3334 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(225, 55, 50)` looks like.

```
.text, #text, p{  
    color:rgb(225, 55, 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(225, 55, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 55, 50) }
```

Border

The CSS property to change the border of an element to Yxy 18.9702, 0.5798, 0.3334 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(225, 55, 50) }
```

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

```
.border{ border-color:rgb(225, 55, 50) }
```

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

Here you see how a box with a 4 pixel rgb(225, 55, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 55, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 55, 50);  
box-shadow:4px 4px 4px 4px rgb(225, 55,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9702, 0.5798, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 55, 50) }
```

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

```
.background{ background-color: rgb(225, 55,  
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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