

Converting Colors

$Yxy(17.8378, 0.5907, 0.3305)$

Have a look what the booklet for
Yxy(17.8378, 0.5907, 0.3305)
contains.

Yxy(17.8314, 0.5909, 0.3305)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.8314, 0.5909, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	DF2E2D
RGB	223, 46, 45
RGB Percent	87%, 18%, 18%
CMY	0.1255, 0.8195, 0.8237
CMYK	0.00, 0.79, 0.80, 0.13
HSL	0°, 74%, 53%
HSV	0°, 80%, 87%
XYZ	31.8807, 17.8314, 4.2407
YIQ	98.8090, 105.8130, 37.2130

Conversions

Conversions Part 2

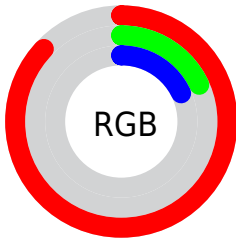
Format	Color
RYB	223, 46, 45
Decimal	14626349
CIELab	49.29, 65.98, 44.78
CIElCh	49, 79.736, 34.164
Yxy	17.8314, 0.5909, 0.3305
Android (android.graphics.Color)	4292816429 (0xFFDF2E2D)
YUV	98.8090, -26.5278, 108.9155
Hunter-Lab	42.2272, 60.8662, 23.6048

Details

The Yxy color **17.8314, 0.5909, 0.3305** 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 **58.0934, 0.2282, 0.3273**, and the grayscale version is **12.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7578, 0.5099, 0.3442**, and **7.3709, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3953, 0.6227, 0.3304**, and if you desaturate by 10%, it is **20.2533, 0.5472, 0.3305**.

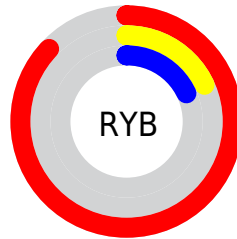
Distribution



Red (87%)

Green (18%)

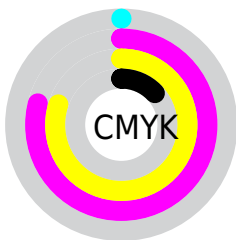
Blue (18%)



Red (87%)

Yellow (18%)

Blue (18%)

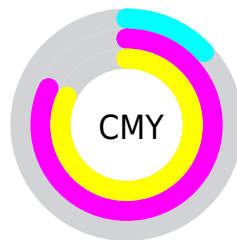


Cyan (0%)

Magenta (79%)

Yellow (80%)

Black (13%)



Cyan (13%)


Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8314, 0.5909, 0.3305 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 17.8314, 0.5909, 0.3305 by changing the saturation by 10% instead.


 17.8314, 0.5909,
0.3305


 17.8314, 0.5909,
0.3305


239.9190, 0.4362,
0.3461


 10.8290, 0.6299,
0.3184


 39.7498, 0.5330,
0.3418


 5.9520, 0.6808,
0.2991

 55.4346, 0.5115,
0.3442

 2.8159, 0.7369,
0.2631

 74.7824, 0.4935,
0.3456

 1.0364, 0.7972,
0.2028

 98.1775, 0.4784,
0.3463

 0.0000, 1.0000,
0.0000

 126.0043, 0.4655,
0.3466

 0.0000, 0.0000,
0.0000

 158.6472, 0.4543,

0.3466

196.4907, 0.4447,
0.3464

■ 17.8314, 0.5909,
0.3305

■ 17.8314, 0.5909,
0.3305

■ 16.3953, 0.6227,
0.3304

■ 20.2533, 0.5472,
0.3305

■ 15.7248, 0.6395,
0.3302


■ 23.7912, 0.4992,
0.3304


■ 15.7161, 0.6397,
0.3302


■ 28.5590, 0.4532,
0.3302

■ 34.6556, 0.4129,
0.3299

■ 42.1700, 0.3792,
0.3297

 51.1835, 0.3519,
0.3294

 61.7711, 0.3300,
0.3292

 74.0030, 0.3125,
0.3290

 87.9450, 0.2985,
0.3288

Harmonies

Analogous

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



17.8314, 0.5097, 0.2542



17.8314, 0.5909, 0.3305



17.8314, 0.5617, 0.4167

Triad

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



17.8314, 0.5909, 0.3305



17.8314, 0.2242, 0.5705



17.8314, 0.1361, 0.1348

Complementary

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



17.8314, 0.5909, 0.3305



58.0934, 0.2282, 0.3273

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.



17.8314, 0.0997, 0.1557



17.8314, 0.5909, 0.3305



17.8314, 0.1341, 0.3822

Square

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



17.8314, 0.5909, 0.3305



17.8314, 0.3441, 0.6089



17.8314, 0.0969, 0.2273



17.8314, 0.2169, 0.1465

Rectangle

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



17.8314, 0.5909, 0.3305



17.8314, 0.5031, 0.4861



17.8314, 0.0969, 0.2273



17.8314, 0.1199, 0.1377

Sweetspot

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



17.8325, 0.5909, 0.3305



63.8027, 0.3630, 0.3295



22.8890, 0.3205, 0.1641



12.7363, 0.3730, 0.3296



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.



17.8325, 0.5909, 0.3305



21.5370, 0.6351, 0.3302



32.9215, 0.4984, 0.4162



13.7135, 0.3292, 0.3292



9.2470, 0.6396, 0.3303



0.6456, 0.6383, 0.3314

Inverse Universe

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



58.0934, 0.2282, 0.3273



77.8800, 0.2245, 0.3270



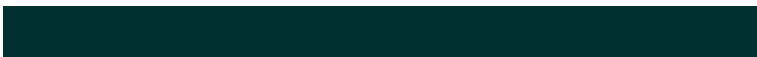
22.9296, 0.1928, 0.1929



15.5576, 0.2982, 0.3288



33.7549, 0.2242, 0.3270



2.3443, 0.2242, 0.3272

Previews

White Background



This preview shows how the Yxy color 17.8314, 0.5909, 0.3305 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 17.8314, 0.5909, 0.3305 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 17.8314, 0.5909, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 17.8314, 0.5909, 0.3305.



This preview shows how white text looks on a background with the Yxy color 17.8314, 0.5909, 0.3305.

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

17.8314, 0.5909, 0.3305

Protanopia

18.0843, 0.3930, 0.4271

Deuteranopia

17.9780, 0.4565, 0.4499



Tritanopia

17.8392, 0.5898, 0.3298

Trichromacy



Original Color

17.8314, 0.5909, 0.3305

Protanomaly

15.8523, 0.4765, 0.3795

Deuteranomaly

16.2148, 0.5202, 0.3928

Tritanomaly

17.8392, 0.5898, 0.3298

Monochromacy



Original Color

17.8314, 0.5909, 0.3305

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2311, 0.4272, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8314, 0.5909, 0.3305 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(223, 46, 45)` looks like.

```
.text, #text, p{  
    color:rgb(223, 46, 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(223, 46, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 46, 45) }
```

Border

The CSS property to change the border of an element to Yxy 17.8314, 0.5909, 0.3305 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(223, 46, 45) }
```

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

```
.border{ border-color:rgb(223, 46, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 46, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 46, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 46, 45);  
box-shadow:4px 4px 4px 4px rgb(223, 46,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8314, 0.5909, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 46, 45) }
```

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

```
.background{ background-color: rgb(223, 46,  
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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