

Converting Colors

$Yxy(18.3155, 0.5788, 0.3298)$

Have a look what the booklet for
Yxy(18.3155, 0.5788, 0.3298)
contains.

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Color

Yxy(18.3919, 0.5788, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	DF3434
RGB	223, 52, 52
RGB Percent	87%, 20%, 20%
CMY	0.1255, 0.7960, 0.7961
CMYK	0.00, 0.77, 0.77, 0.13
HSL	0°, 73%, 54%
HSV	0°, 77%, 87%
XYZ	32.2778, 18.3919, 5.0971
YIQ	103.1290, 101.9160, 36.2520

Conversions

Conversions Part 2

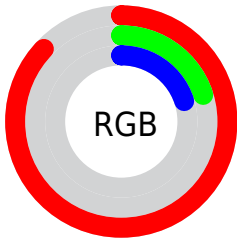
Format	Color
R_{YB}	223, 52, 52
Decimal	14627892
CIE _{Lab}	49.97, 64.49, 41.66
CIE _{LCh}	50, 76.778, 32.859
Yxy	18.3919, 0.5788, 0.3298
Android (android.graphics.Color)	4292817972 (0xFFDF3434)
YUV	103.1290, -25.2066, 105.1269
Hunter-Lab	42.8858, 59.2973, 22.9733

Details

The Yxy color **18.3919, 0.5788, 0.3298** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **58.8142, 0.2298, 0.3287**, and the grayscale version is **13.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9711, 0.4983, 0.3427**, and **7.3885, 0.6337, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **16.6940, 0.6149, 0.3299**, and if you desaturate by 10%, it is **21.1258, 0.5329, 0.3297**.

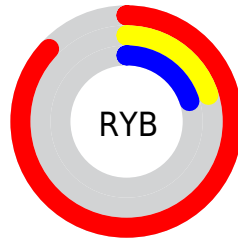
Distribution



Red (87%)

Green (20%)

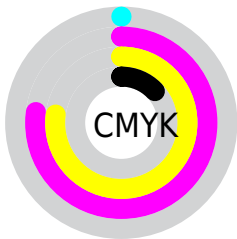
Blue (20%)



Red (87%)

Yellow (20%)

Blue (20%)

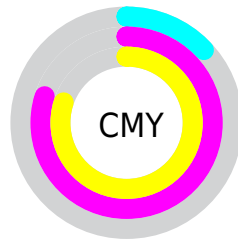


Cyan (0%)

Magenta (77%)

Yellow (77%)

Black (13%)



Cyan (13%)


Magenta (80%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3919, 0.5788, 0.3298 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 18.3919, 0.5788, 0.3298 by changing the saturation by 10% instead.


 18.3919, 0.5788,
0.3298


 18.3919, 0.5788,
0.3298


243.0708, 0.4302,
0.3438


 11.2317, 0.6172,
0.3190


 40.7040, 0.5227,
0.3398


 6.2229, 0.6655,
0.3007

 56.6247, 0.5020,
0.3420


 2.9811, 0.7296,
0.2704

 76.2343, 0.4848,
0.3432

 1.1219, 0.7882,
0.2118

 99.9173, 0.4704,
0.3439

 0.0000, 1.0000,
0.0000

 128.0581, 0.4580,
0.3441

 0.0000, 0.0000,
0.0000

 161.0410, 0.4475,

0.3442

199.2504, 0.4382,
0.3441

■ 18.3919, 0.5788,
0.3298

■ 18.3919, 0.5788,
0.3298

■ 16.6940, 0.6149,
0.3299

■ 21.1258, 0.5329,
0.3297

■ 15.8645, 0.6354,
0.3300


■ 25.0211, 0.4848,
0.3295


■ 15.6877, 0.6401,
0.3300


■ 30.1889, 0.4402,
0.3294


■ 36.7268, 0.4017,
0.3293

■ 44.7224, 0.3700,
0.3292

 54.2563, 0.3445,
0.3291

 65.4033, 0.3240,
0.3290

 78.2331, 0.3077,
0.3290

 92.8114, 0.2947,
0.3289

Harmonies

Analogous

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



18.3919, 0.4953, 0.2546



18.3919, 0.5788, 0.3298



18.3919, 0.5574, 0.4139

Triad

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



18.3919, 0.5788, 0.3298



18.3919, 0.2344, 0.5625



18.3919, 0.1394, 0.1409

Complementary

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



18.3919, 0.5788, 0.3298



58.8142, 0.2298, 0.3287

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.



18.3919, 0.1049, 0.1638



18.3919, 0.5788, 0.3298



18.3919, 0.1439, 0.3887

Square

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



18.3919, 0.5788, 0.3298



18.3919, 0.3519, 0.5955



18.3919, 0.1042, 0.2372



18.3919, 0.2163, 0.1510

Rectangle

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



18.3919, 0.5788, 0.3298



18.3919, 0.5028, 0.4791



18.3919, 0.1042, 0.2372



18.3919, 0.1238, 0.1444

Sweetspot

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



18.3930, 0.5788, 0.3298



64.9038, 0.3604, 0.3292



23.4700, 0.3203, 0.1671



12.9404, 0.3704, 0.3292



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.



18.3930, 0.5788, 0.3298



21.8279, 0.6292, 0.3299



33.9672, 0.4902, 0.4156



13.7009, 0.3292, 0.3291



9.2249, 0.6401, 0.3300



0.6395, 0.6400, 0.3300

Inverse Universe

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



58.8142, 0.2298, 0.3287



78.8684, 0.2254, 0.3287



24.0897, 0.1962, 0.1990



15.5720, 0.2982, 0.3290



34.1523, 0.2246, 0.3287



2.3674, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 18.3919, 0.5788, 0.3298 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 18.3919, 0.5788, 0.3298 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 18.3919, 0.5788, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 18.3919, 0.5788, 0.3298.



This preview shows how white text looks on a background with the Yxy color 18.3919, 0.5788, 0.3298.

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

18.3919, 0.5788, 0.3298

Protanopia

18.7393, 0.3837, 0.4162

Deuteranopia

18.5774, 0.4478, 0.4426



Tritanopia

18.4010, 0.5776, 0.3291

Trichromacy



Original Color

18.3919, 0.5788, 0.3298

Protanomaly

16.4586, 0.4635, 0.3747

Deuteranomaly

16.8941, 0.5084, 0.3886

Tritanomaly

18.4010, 0.5776, 0.3291

Monochromacy



Original Color

18.3919, 0.5788, 0.3298

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1838, 0.4197, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3919, 0.5788, 0.3298 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, 52, 52)` looks like.

```
.text, #text, p{  
    color:rgb(223, 52, 52)  
}
```

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, 52, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 52, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.3919, 0.5788, 0.3298 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, 52, 52) }
```

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

```
.border{ border-color:rgb(223, 52, 52) }
```

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

Here you see how a box with a 4 pixel rgb(223, 52, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 52, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 52, 52);  
box-shadow:4px 4px 4px 4px rgb(223, 52,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3919, 0.5788, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 52, 52) }
```

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

```
.background{ background-color: rgb(223, 52,  
52) }
```

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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