

Converting Colors

Yxy(20.4286, 0.5912, 0.3319)

Have a look what the booklet for
Yxy(20.4286, 0.5912, 0.3319)
contains.

Yxy(20.4058, 0.5909, 0.3323)	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(20.4058, 0.5909, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	EC332F
RGB	236, 51, 47
RGB Percent	93%, 20%, 18%
CMY	0.0746, 0.7998, 0.8157
CMYK	0.00, 0.78, 0.80, 0.07
HSL	1°, 83%, 55%
HSV	1°, 80%, 93%
XYZ	36.2858, 20.4058, 4.7161
YIQ	105.8590, 111.5440, 37.9760

Conversions

Conversions Part 2

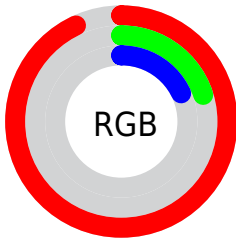
Format	Color
RYB	236, 51, 47
Decimal	15479599
CIELab	52.29, 68.35, 47.51
CIElCh	52, 83.241, 34.801
Yxy	20.4058, 0.5909, 0.3323
Android (android.graphics.Color)	4293669679 (0xFFEC332F)
YUV	105.8590, -29.0175, 114.1337
Hunter-Lab	45.1728, 64.3310, 25.4310

Details

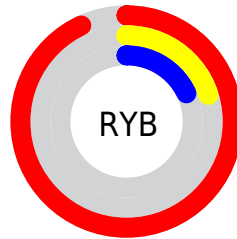
The Yxy color **20.4058, 0.5909, 0.3323** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.3451, 0.2270, 0.3235**, and the grayscale version is **14.4362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1209, 0.5020, 0.3473**, and **8.6601, 0.6394, 0.3296** is the 20% darker color. If you saturate the color by 10%, you get **18.7220, 0.6226, 0.3315**, and if you desaturate by 10%, it is **23.1961, 0.5474, 0.3327**.

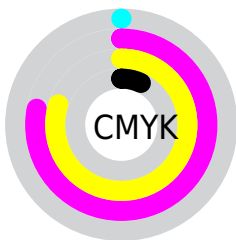
Distribution



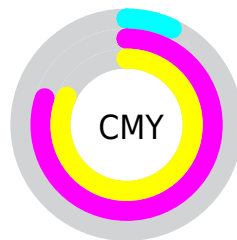
- Red (93%)
- Green (20%)
- Blue (18%)



- Red (93%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (80%)
- Black (7%)





- Cyan (7%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4058, 0.5909, 0.3323 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 20.4058, 0.5909, 0.3323 by changing the saturation by 10% instead.


 20.4058, 0.5909,
0.3323


 20.4058, 0.5909,
0.3323


254.1036, 0.4396,
0.3473


 12.6904, 0.6278,
0.3209


 44.0965, 0.5353,
0.3431


 7.2157, 0.6737,
0.3024


 60.8405, 0.5143,
0.3455


 3.5973, 0.7288,
0.2712

 81.3629, 0.4967,
0.3468

 1.4510, 0.7832,
0.2168

 106.0480, 0.4817,
0.3475

 0.2538, 0.9053,
0.0947

 135.2802, 0.4689,
0.3478

 0.0000, 1.0000,
0.0000

 169.4440, 0.4578,

 0.0000, 0.0000,

0.3478

0.0000

208.9236, 0.4481,
0.3476

■ 20.4058, 0.5909,
0.3323

■ 20.4058, 0.5909,
0.3323

■ 18.7220, 0.6226,
0.3315

■ 23.1961, 0.5474,
0.3327

■ 17.9399, 0.6389,
0.3309

■ 27.2344, 0.4996,
0.3326

■ 32.6452, 0.4538,
0.3322


■ 39.5368, 0.4136,
0.3316

■ 48.0071, 0.3799,
0.3309

 58.1452, 0.3525,
0.3302

 70.0337, 0.3305,
0.3296

 83.7499, 0.3128,
0.3290

 96.5705, 0.3011,
0.3290

Harmonies

Analogous

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



20.4058, 0.5121, 0.2559



20.4058, 0.5909, 0.3323



20.4058, 0.5599, 0.4188

Triad

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



20.4058, 0.5909, 0.3323



20.4058, 0.2221, 0.5670



20.4058, 0.1376, 0.1349

Complementary

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



20.4058, 0.5909, 0.3323



64.3451, 0.2270, 0.3235

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.



20.4058, 0.1003, 0.1551



20.4058, 0.5909, 0.3323



20.4058, 0.1331, 0.3779

Square

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



20.4058, 0.5909, 0.3323



20.4058, 0.3416, 0.6094



20.4058, 0.0969, 0.2252



20.4058, 0.2194, 0.1473

Rectangle

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



20.4058, 0.5909, 0.3323



20.4058, 0.5001, 0.4877



20.4058, 0.0969, 0.2252



20.4058, 0.1210, 0.1376

Sweetspot

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



20.4071, 0.5909, 0.3323



64.2242, 0.3628, 0.3305



25.7378, 0.3238, 0.1657



12.8337, 0.3727, 0.3307



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.



20.4071, 0.5909, 0.3323



21.6362, 0.6342, 0.3309



38.1784, 0.4962, 0.4194



15.1055, 0.3292, 0.3296



9.9137, 0.6385, 0.3312



0.7967, 0.6342, 0.3347

Inverse Universe

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



64.3451, 0.2270, 0.3235



75.5157, 0.2232, 0.3224



24.9363, 0.1911, 0.1872



17.0634, 0.2981, 0.3284



34.8552, 0.2229, 0.3223



2.7546, 0.2231, 0.3232

Previews

White Background



This preview shows how the Yxy color 20.4058, 0.5909, 0.3323 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 20.4058, 0.5909, 0.3323 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 20.4058, 0.5909, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 20.4058, 0.5909, 0.3323.



This preview shows how white text looks on a background with the Yxy color 20.4058, 0.5909, 0.3323.

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

20.4058, 0.5909, 0.3323

Protanopia

20.4879, 0.3947, 0.4288

Deuteranopia

20.5617, 0.4586, 0.4502



Tritanopia

20.3531, 0.5876, 0.3292

Trichromacy



Original Color

20.4058, 0.5909, 0.3323

Protanomaly

18.0603, 0.4790, 0.3821

Deuteranomaly

18.5781, 0.5208, 0.3936

Tritanomaly

20.3444, 0.5886, 0.3298

Monochromacy



Original Color

20.4058, 0.5909, 0.3323

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0838, 0.4255, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4058, 0.5909, 0.3323 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(236, 51, 47)` looks like.

```
.text, #text, p{  
  color:rgb(236, 51, 47)  
}
```

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(236, 51, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 51, 47) }
```

Border

The CSS property to change the border of an element to Yxy 20.4058, 0.5909, 0.3323 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(236, 51, 47) }
```

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

```
.border{ border-color:rgb(236, 51, 47) }
```

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

Here you see how a box with a 4 pixel rgb(236, 51, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 51, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 51, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 51,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4058, 0.5909, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 51, 47) }
```

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

```
.background{ background-color: rgb(236, 51,  
47) }
```

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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