

Converting Colors

$Y_{xy}(20.8071, 0.6062, 0.3409)$

Have a look what the booklet for
Yxy(20.8071, 0.6062, 0.3409)
contains.

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Color

Yxy(20.8071, 0.6062, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	EF331D
RGB	239, 51, 29
RGB Percent	94%, 20%, 11%
CMY	0.0628, 0.7999, 0.8862
CMYK	0.00, 0.79, 0.88, 0.06
HSL	6°, 87%, 53%
HSV	6°, 88%, 94%
XYZ	36.9999, 20.8071, 3.2288
YIQ	104.7040, 119.1100, 33.0140

Conversions

Conversions Part 2

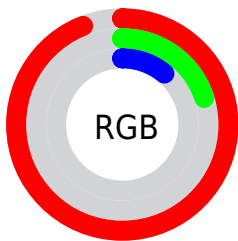
Format	Color
RYB	239, 54, 29
Decimal	15676189
CIELab	52.74, 68.80, 56.61
CIElCh	53, 89.095, 39.448
Yxy	20.8071, 0.6062, 0.3409
Android (android.graphics.Color)	4293866269 (0xFFEF331D)
YUV	104.7040, -37.3221, 117.7776
Hunter-Lab	45.6148, 64.9622, 27.7336

Details

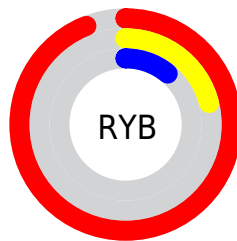
The Yxy color **20.8071, 0.6062, 0.3409** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.0983, 0.2183, 0.2995**, and the grayscale version is **14.1258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8447, 0.5193, 0.3614**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.2707, 0.6295, 0.3362**, and if you desaturate by 10%, it is **23.2952, 0.5699, 0.3441**.

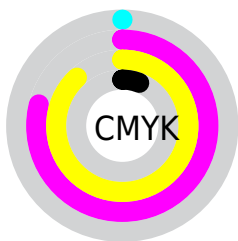
Distribution



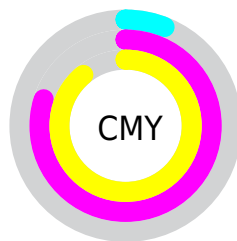
- Red (94%)
- Green (20%)
- Blue (11%)



- Red (94%)
- Yellow (21%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (88%)
- Black (6%)





- Cyan (6%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8071, 0.6062, 0.3409 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 20.8071, 0.6062, 0.3409 by changing the saturation by 10% instead.


 20.8071, 0.6062,
0.3409


 20.8071, 0.6062,
0.3409


256.2516, 0.4508,
0.3558


 12.9831, 0.6413,
0.3280


 44.7663, 0.5510,
0.3529


 7.4169, 0.6898,
0.3102


 61.6702, 0.5295,
0.3554

 3.7242, 0.7280,
0.2720

 82.3696, 0.5113,
0.3567

 1.5205, 0.7815,
0.2185

 107.2487, 0.4956,
0.3572

 0.3031, 0.8935,
0.1065

 136.6921, 0.4820,
0.3572

 0.0000, 1.0000,
0.0000

 171.0841, 0.4703,

 0.0000, 0.0000,

0.3569

0.0000

 210.8092, 0.4599,
0.3564


 20.8071, 0.6062,
0.3409


 20.8071, 0.6062,
0.3409


 19.2707, 0.6295,
0.3362

 23.2952, 0.5699,
0.3441

 19.0473, 0.6331,
0.3355

 26.8552, 0.5260,
0.3453

 31.5922, 0.4808,
0.3446

 37.5979, 0.4388,
0.3426

 44.9546, 0.4023,
0.3399

■ 53.7380, 0.3716,
0.3369

■ 64.0178, 0.3465,
0.3339

■ 75.8594, 0.3261,
0.3311

■ 89.3241, 0.3095,
0.3285

Harmonies

Analogous

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



20.8071, 0.5445, 0.2628



20.8071, 0.6062, 0.3409



20.8071, 0.5561, 0.4330

Triad

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



20.8071, 0.6062, 0.3409



20.8071, 0.1973, 0.5597



20.8071, 0.1399, 0.1274

Complementary

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



20.8071, 0.6062, 0.3409



56.0983, 0.2183, 0.2995

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.



20.8071, 0.0962, 0.1415



20.8071, 0.6062, 0.3409



20.8071, 0.1151, 0.3479

Square

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



20.8071, 0.6062, 0.3409



20.8071, 0.3177, 0.6315



20.8071, 0.0870, 0.2023



20.8071, 0.2326, 0.1448

Rectangle

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



20.8071, 0.6062, 0.3409



20.8071, 0.4879, 0.5089



20.8071, 0.0870, 0.2023



20.8071, 0.1209, 0.1283

Sweetspot

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



20.8084, 0.6062, 0.3409



64.2456, 0.3668, 0.3364



24.2895, 0.3443, 0.1718



12.9300, 0.3765, 0.3374



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.



20.8084, 0.6062, 0.3409



22.0325, 0.6334, 0.3353



41.8791, 0.4944, 0.4355



16.0256, 0.3291, 0.3315



10.6156, 0.6315, 0.3367



0.9714, 0.6139, 0.3507

Inverse Universe

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



56.0983, 0.2183, 0.2995



62.8438, 0.2153, 0.2950



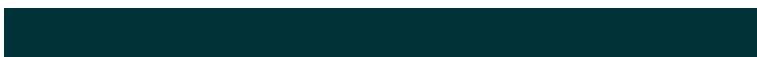
18.3029, 0.1769, 0.1472



17.6290, 0.2981, 0.3264



30.1164, 0.2155, 0.2957



2.5861, 0.2168, 0.3005

Previews

White Background



This preview shows how the Yxy color 20.8071, 0.6062, 0.3409 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 20.8071, 0.6062, 0.3409 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 20.8071, 0.6062, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 20.8071, 0.6062, 0.3409.



This preview shows how white text looks on a background with the Yxy color 20.8071, 0.6062, 0.3409.

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

20.8071, 0.6062, 0.3409

Protanopia

21.0467, 0.4160, 0.4587

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

20.7691, 0.5915, 0.3298

Trichromacy



Original Color

20.8071, 0.6062, 0.3409

Protanomaly

18.4240, 0.5022, 0.4027

Deuteranomaly

19.0274, 0.5368, 0.4063

Tritanomaly

20.7991, 0.5973, 0.3344

Monochromacy



Original Color

20.8071, 0.6062, 0.3409

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.9028, 0.4415, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8071, 0.6062, 0.3409 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(239, 51, 29)` looks like.

```
.text, #text, p{  
    color:rgb(239, 51, 29)  
}
```

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(239, 51, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 51, 29) }
```

Border

The CSS property to change the border of an element to Yxy 20.8071, 0.6062, 0.3409 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(239, 51, 29) }
```

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

```
.border{ border-color:rgb(239, 51, 29) }
```

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

Here you see how a box with a 4 pixel rgb(239, 51, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 51, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 51, 29);  
box-shadow:4px 4px 4px 4px rgb(239, 51,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8071, 0.6062, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 51, 29) }
```

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

```
.background{ background-color: rgb(239, 51,  
29) }
```

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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