

Converting Colors

$Y_{xy}(20.7900, 0.5989, 0.3193)$

Have a look what the booklet for
Yxy(20.7900, 0.5989, 0.3193)
contains.

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Color

Yxy(20.8829, 0.5990, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	F62035
RGB	246, 32, 53
RGB Percent	96%, 13%, 21%
CMY	0.0353, 0.8743, 0.7921
CMYK	0.00, 0.87, 0.78, 0.04
HSL	354°, 92%, 55%
HSV	354°, 87%, 96%
XYZ	39.1636, 20.8829, 5.3351
YIQ	98.3800, 120.8030, 51.8990

Conversions

Conversions Part 2

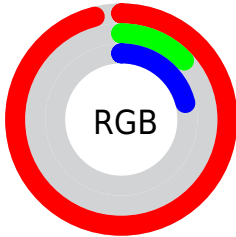
Format	Color
R_{YB}	246, 32, 53
Decimal	16130101
CIE _{Lab}	52.82, 75.42, 45.47
CIE _{LCh}	53, 88.069, 31.086
Yxy	20.8829, 0.5990, 0.3194
Android (android.graphics.Color)	4294320181 (0xFFFF62035)
YUV	98.3800, -22.3723, 129.4627
Hunter-Lab	45.6978, 73.0056, 25.0665

Details

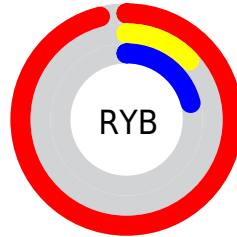
The Yxy color **20.8829, 0.5990, 0.3194** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **71.6534, 0.2341, 0.3558**, and the grayscale version is **12.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2833, 0.5030, 0.3342**, and **9.7252, 0.6341, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **19.8512, 0.6255, 0.3240**, and if you desaturate by 10%, it is **22.9936, 0.5602, 0.3163**.

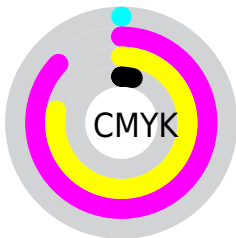
Distribution



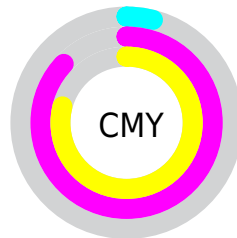
- Red (96%)
- Green (13%)
- Blue (21%)



- Red (96%)
- Yellow (13%)
- Blue (21%)



- Cyan (0%)
- Magenta (87%)
- Yellow (78%)
- Black (4%)





- Cyan (4%)
- Magenta (87%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8829, 0.5990, 0.3194 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 20.8829, 0.5990, 0.3194 by changing the saturation by 10% instead.


 20.8829, 0.5990,
0.3194


 20.8829, 0.5990,
0.3194


256.6555, 0.4436,
0.3411


 13.0384, 0.6371,
0.3069


 44.8926, 0.5418,
0.3324

 7.4550, 0.6833,
0.2868


 61.8266, 0.5203,
0.3357


 3.7483, 0.7437,
0.2563

 82.5592, 0.5022,
0.3378

 1.5338, 0.7978,
0.2022

 107.4748, 0.4868,
0.3392

 0.3123, 0.9033,
0.0967

 136.9579, 0.4737,
0.3401

 0.0000, 1.0000,
0.0000

 171.3928, 0.4623,

 0.0000, 0.0000,

0.3406

0.0000

211.1638, 0.4523,
0.3409

■ 20.8829, 0.5990,
0.3194

■ 20.8829, 0.5990,
0.3194

■ 19.8512, 0.6255,
0.3240

■ 22.9936, 0.5602,
0.3163


■ 19.6579, 0.6311,
0.3250


■ 26.3832, 0.5151,
0.3150


■ 31.2134, 0.4701,
0.3155


■ 37.6212, 0.4292,
0.3172

■ 45.7274, 0.3943,
0.3195

 55.6413, 0.3655,
0.3222

 67.4630, 0.3422,
0.3248

 81.2851, 0.3235,
0.3273

 97.1943, 0.3085,
0.3297

Harmonies

Analogous

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



20.8829, 0.5036, 0.2429



20.8829, 0.5990, 0.3194



20.8829, 0.5759, 0.4052

Triad

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



20.8829, 0.5990, 0.3194



20.8829, 0.2304, 0.5980



20.8829, 0.1252, 0.1295

Complementary

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



20.8829, 0.5990, 0.3194



71.6534, 0.2341, 0.3558

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.



20.8829, 0.0921, 0.1542



20.8829, 0.5990, 0.3194



20.8829, 0.1340, 0.4055

Square

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



20.8829, 0.5990, 0.3194



20.8829, 0.3540, 0.6136



20.8829, 0.0922, 0.2339



20.8829, 0.2019, 0.1385

Rectangle

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



20.8829, 0.5990, 0.3194



20.8829, 0.5176, 0.4759



20.8829, 0.0922, 0.2339



20.8829, 0.1101, 0.1334

Sweetspot

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



20.8842, 0.5990, 0.3194



61.4752, 0.3631, 0.3224



23.6320, 0.2988, 0.1469



12.2959, 0.3723, 0.3215



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.



20.8842, 0.5990, 0.3194



21.3301, 0.6313, 0.3252



32.5649, 0.5414, 0.3944



16.5089, 0.3278, 0.3267



10.5023, 0.6289, 0.3238



0.9317, 0.6057, 0.3111

Inverse Universe

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



20.8842, 0.5990, 0.3194



21.3301, 0.6313, 0.3252



32.2469, 0.1940, 0.2095



16.5089, 0.3278, 0.3267



10.5023, 0.6289, 0.3238



0.9317, 0.6057, 0.3111

Previews

White Background



This preview shows how the Yxy color 20.8829, 0.5990, 0.3194 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 20.8829, 0.5990, 0.3194 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 20.8829, 0.5990, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 20.8829, 0.5990, 0.3194.



This preview shows how white text looks on a background with the Yxy color 20.8829, 0.5990, 0.3194.

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

20.8829, 0.5990, 0.3194

Protanopia

21.1465, 0.3814, 0.4140

Deuteranopia

20.9374, 0.4547, 0.4459



Tritanopia

20.9644, 0.6146, 0.3311

Trichromacy



Original Color

20.8829, 0.5990, 0.3194

Protanomaly

17.4436, 0.4760, 0.3600

Deuteranomaly

18.2302, 0.5282, 0.3790

Tritanomaly

20.9481, 0.6098, 0.3277

Monochromacy



Original Color

20.8829, 0.5990, 0.3194

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1822, 0.4390, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8829, 0.5990, 0.3194 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(246, 32, 53)` looks like.

```
.text, #text, p{  
    color:rgb(246, 32, 53)  
}
```

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(246, 32, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 32, 53) }
```

Border

The CSS property to change the border of an element to Yxy 20.8829, 0.5990, 0.3194 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(246, 32, 53) }
```

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

```
.border{ border-color:rgb(246, 32, 53) }
```

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

Here you see how a box with a 4 pixel rgb(246, 32, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 32, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 32, 53);  
box-shadow:4px 4px 4px 4px rgb(246, 32,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8829, 0.5990, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 32, 53) }
```

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

```
.background{ background-color: rgb(246, 32,  
53) }
```

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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