

Converting Colors

$Y_{xy}(20.4539, 0.6211, 0.3195)$

Have a look what the booklet for
Yxy(20.4539, 0.6211, 0.3195)
contains.

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Color

Yxy(20.4705, 0.6214, 0.3197)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FA0027 |
| RGB | 250, 0, 39 |
| RGB Percent | 98%, 0%, 15% |
| CMY | 0.0196, 0.9995, 0.8472 |
| CMYK | 0.00, 1.00, 0.84, 0.02 |
| HSL | 351°, 100%, 49% |
| HSV | 351°, 100%, 98% |
| XYZ | 39.7885, 20.4705, 3.7714 |
| YIQ | 79.1960, 136.4810, 65.1290 |

Conversions

Conversions Part 2

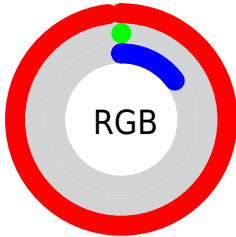
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 250, 0, 39 |
| Decimal | 16384039 |
| CIE _{Lab} | 52.37, 79.36, 52.68 |
| CIE _{LCh} | 52, 95.248, 33.576 |
| Yxy | 20.4705, 0.6214, 0.3197 |
| Android (android.graphics.Color) | 4294574119 (0xFFFA0027) |
| YUV | 79.1960, -19.8166, 149.7951 |
| Hunter-Lab | 45.2443, 77.7976, 26.7289 |

Details

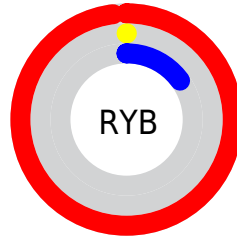
The Yxy color **20.4705, 0.6214, 0.3197** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **73.0781, 0.2388, 0.3797**, and the grayscale version is **7.8923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2976, 0.5259, 0.3383**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.4682, 0.6215, 0.3197**, and if you desaturate by 10%, it is **21.3507, 0.5951, 0.3130**.

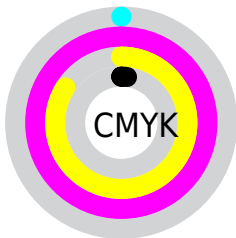
Distribution



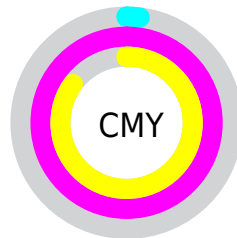
- Red (98%)
- Green (0%)
- Blue (15%)



- Red (98%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4705, 0.6214, 0.3197 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 20.4705, 0.6214, 0.3197 by changing the saturation by 10% instead.


 20.4705, 0.6214,
0.3197


 20.4705, 0.6214,
0.3197


254.4509, 0.4567,
0.3455


 12.7375, 0.6593,
0.3048


 44.2046, 0.5624,
0.3354

 7.2480, 0.7083,
0.2832


 60.9745, 0.5396,
0.3393


 3.6177, 0.7549,
0.2451

 81.5256, 0.5203,
0.3419

 1.4621, 0.8100,
0.1900

 106.2421, 0.5038,
0.3435

 0.2618, 0.9204,
0.0796

 135.5085, 0.4895,
0.3445

 0.0000, 1.0000,
0.0000

 169.7091, 0.4771,

 0.0000, 0.0000,

0.3451

0.0000

209.2285, 0.4663,
0.3454

■ 20.4705, 0.6214,
0.3197

■ 20.4705, 0.6214,
0.3197

■ 20.4682, 0.6215,
0.3197

■ 21.3507, 0.5951,
0.3130

■ 23.2122, 0.5581,
0.3080

■ 26.3381, 0.5152,
0.3059

■ 30.9027, 0.4720,
0.3065

■ 37.0528, 0.4323,
0.3090

■ 44.9169, 0.3981,
0.3126

■ 54.6102, 0.3696,
0.3168

■ 66.2382, 0.3464,
0.3210

■ 79.8981, 0.3277,
0.3252

Harmonies

Analogous

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



20.4705, 0.5323, 0.2421



20.4705, 0.6214, 0.3197



20.4705, 0.5831, 0.4099

Triad

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



20.4705, 0.6214, 0.3197



20.4705, 0.2096, 0.6147



20.4705, 0.1197, 0.1186

Complementary

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



20.4705, 0.6214, 0.3197



73.0781, 0.2388, 0.3797

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.



20.4705, 0.0832, 0.1394



20.4705, 0.6214, 0.3197



20.4705, 0.1155, 0.3910

Square

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



20.4705, 0.6214, 0.3197



20.4705, 0.3366, 0.6395



20.4705, 0.0794, 0.2142



20.4705, 0.2033, 0.1306

Rectangle

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



20.4705, 0.6214, 0.3197



20.4705, 0.5139, 0.4861



20.4705, 0.0794, 0.2142



20.4705, 0.1034, 0.1215

Sweetspot

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



20.4718, 0.6214, 0.3197



57.0350, 0.3698, 0.3167



20.3651, 0.2783, 0.1307



11.2418, 0.3812, 0.3149



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.



20.4718, 0.6214, 0.3197



21.4108, 0.6217, 0.3198



26.5738, 0.5908, 0.3690



17.2692, 0.3269, 0.3253



10.8709, 0.6185, 0.3181



1.0193, 0.5896, 0.3022

Inverse Universe

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



20.4718, 0.6214, 0.3197



21.4108, 0.6217, 0.3198



34.4324, 0.1928, 0.2140



17.2692, 0.3269, 0.3253



10.8709, 0.6185, 0.3181



1.0193, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 20.4705, 0.6214, 0.3197 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 20.4705, 0.6214, 0.3197 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 20.4705, 0.6214, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 20.4705, 0.6214, 0.3197.



This preview shows how white text looks on a background with the Yxy color 20.4705, 0.6214, 0.3197.

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

20.4705, 0.6214, 0.3197

Protanopia

21.1131, 0.4007, 0.4383

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

20.7136, 0.6348, 0.3341

Trichromacy



Original Color

20.4705, 0.6214, 0.3197



Protanomaly

15.8545, 0.5138, 0.3632



Deuteranomaly

16.5380, 0.5668, 0.3802



Tritanomaly

20.4855, 0.6330, 0.3299

Monochromacy



Original Color

20.4705, 0.6214, 0.3197



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.3141, 0.4810, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4705, 0.6214, 0.3197 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(250, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 39)  
}
```

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(250, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 39) }
```

Border

The CSS property to change the border of an element to Yxy 20.4705, 0.6214, 0.3197 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(250, 0, 39) }
```

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

```
.border{ border-color:rgb(250, 0, 39) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4705, 0.6214, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 39) }
```

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

```
.background{ background-color: rgb(250, 0,  
39) }
```

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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