

Converting Colors

$Y_{xy}(19.4781, 0.6263, 0.3224)$

Have a look what the booklet for
Yxy(19.4781, 0.6263, 0.3224)
contains.

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Color

Yxy(19.5168, 0.6260, 0.3222)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F50020 |
| RGB | 245, 0, 32 |
| RGB Percent | 96%, 0%, 13% |
| CMY | 0.0392, 1.0000, 0.8744 |
| CMYK | 0.00, 1.00, 0.87, 0.04 |
| HSL | 352°, 100%, 48% |
| HSV | 352°, 100%, 96% |
| XYZ | 37.9190, 19.5168, 3.1377 |
| YIQ | 76.9030, 135.7480, 61.8920 |

Conversions

Conversions Part 2

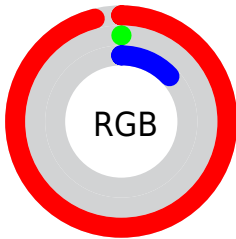
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 245, 0, 32 |
| Decimal | 16056352 |
| CIELab | 51.29, 78.05, 54.69 |
| CIElCh | 51, 95.308, 35.020 |
| Yxy | 19.5168, 0.6260, 0.3222 |
| Android (android.graphics.Color) | 4294246432 (0xFFFF50020) |
| YUV | 76.9030, -22.1372, 147.4211 |
| Hunter-Lab | 44.1778, 75.9003, 26.7134 |

Details

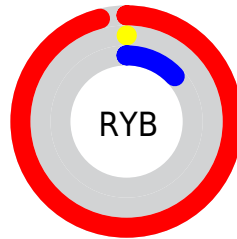
The Yxy color **19.5168, 0.6260, 0.3222** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **70.1109, 0.2364, 0.3712**, and the grayscale version is **7.4267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0236, 0.5333, 0.3423**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5180, 0.6260, 0.3222**, and if you desaturate by 10%, it is **20.3478, 0.6011, 0.3165**.

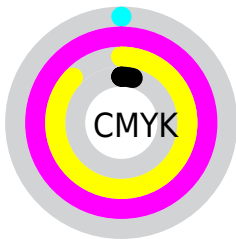
Distribution



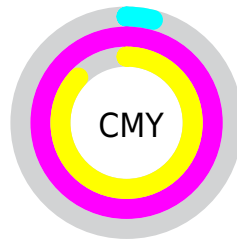
- Red (96%)
- Green (0%)
- Blue (13%)



- Red (96%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5168, 0.6260, 0.3222 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 19.5168, 0.6260, 0.3222 by changing the saturation by 10% instead.


 19.5168, 0.6260,
0.3222


 19.5168, 0.6260,
0.3222


249.2871, 0.4589,
0.3482


 12.0443, 0.6639,
0.3064


 42.6056, 0.5664,
0.3385

 6.7739, 0.7154,
0.2846


 58.9906, 0.5433,
0.3425


 3.3211, 0.7571,
0.2429

 79.1153, 0.5237,
0.3451


 1.3016, 0.8140,
0.1860

 103.3640, 0.5068,
0.3466

 0.1424, 0.9499,
0.0501

 132.1212, 0.4923,
0.3475


 0.0000, 1.0000,
0.0000


 165.7711, 0.4797,


 0.0000, 0.0000,


0.3480


0.0000


 204.6983, 0.4687,
0.3482


 19.5168, 0.6260,
0.3222


 19.5168, 0.6260,
0.3222


 19.5180, 0.6260,
0.3222

 20.3478, 0.6011,
0.3165

 22.1134, 0.5646,
0.3120

 25.0883, 0.5212,
0.3100

 29.4394, 0.4769,
0.3103

 35.3071, 0.4361,
0.3123

■ 42.8145, 0.4007,
0.3153

■ 52.0719, 0.3714,
0.3187

■ 63.1803, 0.3474,
0.3223

■ 76.2328, 0.3282,
0.3258

Harmonies

Analogous

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



19.5168, 0.5430, 0.2443



19.5168, 0.6260, 0.3222



19.5168, 0.5822, 0.4148

Triad

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



19.5168, 0.6260, 0.3222



19.5168, 0.2016, 0.6127



19.5168, 0.1206, 0.1165

Complementary

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



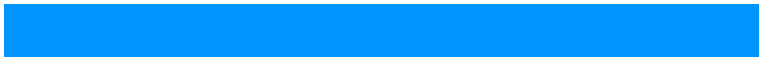
19.5168, 0.6260, 0.3222



70.1109, 0.2364, 0.3712

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.



19.5168, 0.0822, 0.1353



19.5168, 0.6260, 0.3222



19.5168, 0.1100, 0.3802

Square

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



19.5168, 0.6260, 0.3222



19.5168, 0.3287, 0.6473



19.5168, 0.0767, 0.2066



19.5168, 0.2075, 0.1300

Rectangle

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



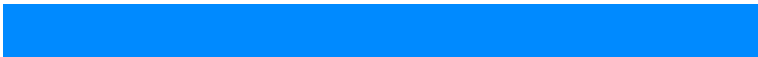
19.5168, 0.6260, 0.3222



19.5168, 0.5084, 0.4916



19.5168, 0.0767, 0.2066



19.5168, 0.1035, 0.1188

Sweetspot

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



19.5181, 0.6260, 0.3222



56.9527, 0.3715, 0.3187



20.6404, 0.2869, 0.1354



11.2229, 0.3832, 0.3172



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.



19.5181, 0.6260, 0.3222



21.3717, 0.6263, 0.3224



26.6984, 0.5819, 0.3762



16.5178, 0.3273, 0.3259



10.5253, 0.6233, 0.3207



0.9360, 0.5953, 0.3053

Inverse Universe

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



19.5181, 0.6260, 0.3222



21.3717, 0.6263, 0.3224



30.0926, 0.1894, 0.2019



16.5178, 0.3273, 0.3259



10.5253, 0.6233, 0.3207



0.9360, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 19.5168, 0.6260, 0.3222 looks on a white background.

Color Contrast Check

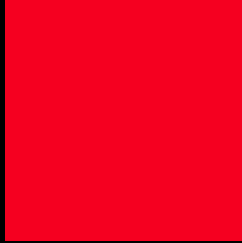
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5168, 0.6260, 0.3222 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 19.5168, 0.6260, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 19.5168, 0.6260, 0.3222.



This preview shows how white text looks on a background with the Yxy color 19.5168, 0.6260, 0.3222.

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

19.5168, 0.6260, 0.3222

Protanopia

20.0849, 0.4093, 0.4479

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.8069, 0.6346, 0.3343

Trichromacy



Original Color

19.5168, 0.6260, 0.3222



Protanomaly

15.1363, 0.5233, 0.3698



Deuteranomaly

15.6155, 0.5671, 0.3808



Tritanomaly

19.5737, 0.6334, 0.3303

Monochromacy



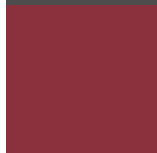
Original Color

19.5168, 0.6260, 0.3222



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.9368, 0.4843, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5168, 0.6260, 0.3222 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(245, 0, 32)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 32)  
}
```

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(245, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 32) }
```

Border

The CSS property to change the border of an element to Yxy 19.5168, 0.6260, 0.3222 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(245, 0, 32) }
```

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

```
.border{ border-color:rgb(245, 0, 32) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5168, 0.6260, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 32) }
```

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

```
.background{ background-color: rgb(245, 0,  
32) }
```

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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