

Converting Colors

$Yxy(19.9473, 0.6379, 0.3317)$

Have a look what the booklet for
Yxy(19.9473, 0.6379, 0.3317)
contains.

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Color

Yxy(20.0135, 0.6378, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	F70B00
RGB	247, 11, 0
RGB Percent	97%, 4%, 0%
CMY	0.0315, 0.9558, 1.0000
CMYK	0.00, 0.95, 1.00, 0.03
HSL	3°, 100%, 48%
HSV	3°, 100%, 97%
XYZ	38.4708, 20.0135, 1.8337
YIQ	80.3100, 144.1870, 46.6110

Conversions

Conversions Part 2

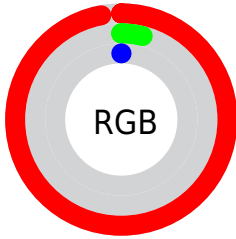
Format	Color
RYB	247, 12, 0
Decimal	16190208
CIELab	51.85, 77.39, 65.72
CIELCh	52, 101.531, 40.339
Yxy	20.0135, 0.6378, 0.3318
Android (android.graphics.Color)	4294380288 (0xFFFF70B00)
YUV	80.3100, -39.5928, 146.1871
Hunter-Lab	44.7365, 75.2110, 28.8853

Details

The Yxy color **20.0135, 0.6378, 0.3318** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **66.5405, 0.2207, 0.3145**, and the grayscale version is **8.1735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1149, 0.5524, 0.3595**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.0149, 0.6378, 0.3318**, and if you desaturate by 10%, it is **21.0306, 0.6204, 0.3336**.

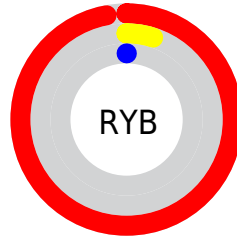
Distribution



Red (97%)

Green (4%)

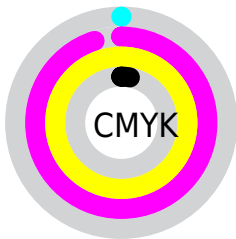
Blue (0%)



Red (97%)

Yellow (5%)

Blue (0%)

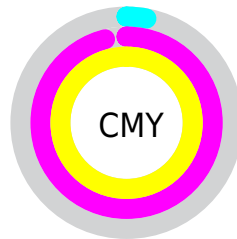


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0135, 0.6378, 0.3318 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 20.0135, 0.6378, 0.3318 by changing the saturation by 10% instead.


 20.0135, 0.6378,
0.3318


 20.0135, 0.6378,
0.3318


 251.9882, 0.4709,
0.3586


 12.4049, 0.6736,
0.3150


 43.4398, 0.5810,
0.3499


 7.0200, 0.7120,
0.2880


 60.0263, 0.5581,
0.3542


 3.4746, 0.7528,
0.2472

 80.3741, 0.5382,
0.3568

 1.3843, 0.8087,
0.1913

 104.8678, 0.5210,
0.3582

 0.2051, 0.9317,
0.0683

 133.8916, 0.5060,
0.3589

 0.0000, 1.0000,
0.0000


 167.8300, 0.4928,


 0.0000, 0.0000,


0.3591


0.0000

 207.0674, 0.4812,
0.3590


 20.0135, 0.6378,
0.3318


 20.0135, 0.6378,
0.3318

 20.0149, 0.6378,
0.3318

 21.0306, 0.6204,
0.3336

 23.0616, 0.5881,
0.3353

 26.2960, 0.5446,
0.3362

 30.8811, 0.4974,
0.3361

 36.9433, 0.4522,
0.3353

■ 44.5943, 0.4125,
0.3342

■ 53.9350, 0.3793,
0.3329

■ 65.0581, 0.3521,
0.3315

■ 78.0495, 0.3303,
0.3302

Harmonies

Analogous

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



20.0135, 0.5810, 0.2532



20.0135, 0.6378, 0.3318



20.0135, 0.5697, 0.4303

Triad

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



20.0135, 0.6378, 0.3318



20.0135, 0.1729, 0.5966



20.0135, 0.1255, 0.1102

Complementary

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



20.0135, 0.6378, 0.3318



66.5405, 0.2207, 0.3145

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.



20.0135, 0.0800, 0.1221



20.0135, 0.6378, 0.3318



20.0135, 0.0919, 0.3387

Square

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



20.0135, 0.6378, 0.3318



20.0135, 0.2983, 0.6735



20.0135, 0.0684, 0.1810



20.0135, 0.2256, 0.1292

Rectangle

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



20.0135, 0.6378, 0.3318



20.0135, 0.4858, 0.5142



20.0135, 0.0684, 0.1810



20.0135, 0.1056, 0.1105

Sweetspot

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



20.0149, 0.6378, 0.3318



57.9454, 0.3794, 0.3329



25.9863, 0.3296, 0.1589



11.4467, 0.3927, 0.3334



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.



20.0149, 0.6378, 0.3318



21.5140, 0.6379, 0.3317



36.1962, 0.5334, 0.4147



16.6036, 0.3293, 0.3301



10.6421, 0.6368, 0.3326



0.9772, 0.6287, 0.3390

Inverse Universe

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



66.5405, 0.2207, 0.3145



71.5452, 0.2207, 0.3144



19.0335, 0.1733, 0.1437



18.6206, 0.2981, 0.3279



35.2584, 0.2208, 0.3147



3.1382, 0.2213, 0.3166

Previews

White Background



This preview shows how the Yxy color 20.0135, 0.6378, 0.3318 looks on a white background.

Color Contrast Check

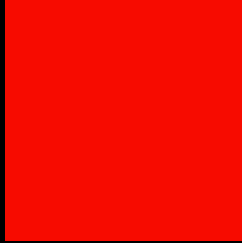
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0135, 0.6378, 0.3318 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 20.0135, 0.6378, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 20.0135, 0.6378, 0.3318.



This preview shows how white text looks on a background with the Yxy color 20.0135, 0.6378, 0.3318.

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

20.0135, 0.6378, 0.3318

Protanopia

20.3470, 0.4273, 0.4723

Deuteranopia

20.3618, 0.4690, 0.4658



Tritanopia

20.2056, 0.6343, 0.3345

Trichromacy



Original Color

20.0135, 0.6378, 0.3318

Protanomaly

15.9749, 0.5410, 0.3949

Deuteranomaly

16.6845, 0.5640, 0.3904

Tritanomaly

20.0586, 0.6357, 0.3335

Monochromacy



Original Color

20.0135, 0.6378, 0.3318

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.6341, 0.5039, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0135, 0.6378, 0.3318 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(247, 11, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 11, 0)  
}
```

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(247, 11, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 11, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0135, 0.6378, 0.3318 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(247, 11, 0) }
```

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

```
.border{ border-color:rgb(247, 11, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 11, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 11, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 11, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 11, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0135, 0.6378, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 11, 0) }
```

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

```
.background{ background-color: rgb(247, 11,  
0) }
```

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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