

Converting Colors

$Y_{xy}(20.8492, 0.6312, 0.3251)$

Have a look what the booklet for
Yxy(20.8492, 0.6312, 0.3251)
contains.

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Color

Yxy(20.7656, 0.6311, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	FC0019
RGB	252, 0, 25
RGB Percent	99%, 0%, 10%
CMY	0.0117, 1.0000, 0.9018
CMYK	0.00, 1.00, 0.90, 0.01
HSL	354°, 100%, 49%
HSV	354°, 100%, 99%
XYZ	40.3236, 20.7656, 2.8050
YIQ	78.1980, 142.1670, 61.1990

Conversions

Conversions Part 2

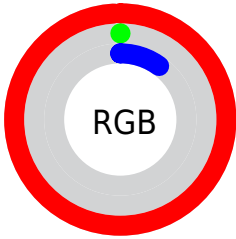
Format	Color
RYB	252, 0, 25
Decimal	16515097
CIELab	52.69, 79.62, 59.37
CIElCh	53, 99.313, 36.710
Yxy	20.7656, 0.6311, 0.3250
Android (android.graphics.Color)	4294705177 (0xFFFC0019)
YUV	78.1980, -26.2266, 152.4244
Hunter-Lab	45.5693, 78.2058, 28.2490

Details

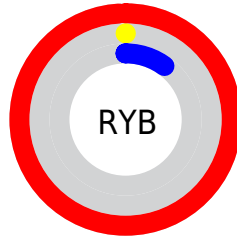
The Yxy color **20.7656, 0.6311, 0.3250** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **75.1713, 0.2335, 0.3606**, and the grayscale version is **7.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1202, 0.5387, 0.3478**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7677, 0.6311, 0.3250**, and if you desaturate by 10%, it is **21.6124, 0.6086, 0.3206**.

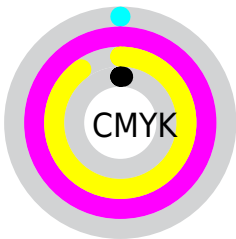
Distribution



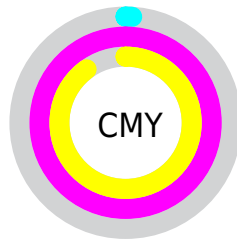
- Red (99%)
- Green (0%)
- Blue (10%)



- Red (99%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (90%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7656, 0.6311, 0.3250 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 20.7656, 0.6311, 0.3250 by changing the saturation by 10% instead.


 20.7656, 0.6311,
0.3250


 20.7656, 0.6311,
0.3250


256.0302, 0.4648,
0.3515


 12.9528, 0.6673,
0.3090


 44.6971, 0.5730,
0.3418

 7.3960, 0.7138,
0.2862


 61.5846, 0.5501,
0.3459

 3.7110, 0.7540,
0.2460

 82.2657, 0.5305,
0.3485

 1.5132, 0.8085,
0.1915

 107.1249, 0.5135,
0.3501

 0.2980, 0.9129,
0.0871

 136.5465, 0.4988,
0.3510

 0.0000, 1.0000,
0.0000

 170.9150, 0.4860,


 0.0000, 0.0000,

0.3514


0.0000


 210.6148, 0.4748,
0.3515

 20.7656, 0.6311,
0.3250


 20.7656, 0.6311,
0.3250

 20.7677, 0.6311,
0.3250

 21.6124, 0.6086,
0.3206

 23.4608, 0.5730,
0.3168

 26.6043, 0.5291,
0.3150

 31.2236, 0.4835,
0.3150

 37.4705, 0.4411,
0.3164

■ 45.4779, 0.4042,
0.3186

■ 55.3651, 0.3736,
0.3212

■ 67.2408, 0.3487,
0.3239

■ 81.2056, 0.3287,
0.3265

Harmonies

Analogous

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



20.7656, 0.5559, 0.2469



20.7656, 0.6311, 0.3250



20.7656, 0.5800, 0.4200

Triad

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



20.7656, 0.6311, 0.3250



20.7656, 0.1920, 0.6097



20.7656, 0.1216, 0.1140

Complementary

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



20.7656, 0.6311, 0.3250



75.1713, 0.2335, 0.3606

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.



20.7656, 0.0810, 0.1305



20.7656, 0.6311, 0.3250



20.7656, 0.1035, 0.3672

Square

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



20.7656, 0.6311, 0.3250



20.7656, 0.3188, 0.6564



20.7656, 0.0735, 0.1978



20.7656, 0.2126, 0.1293

Rectangle

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



20.7656, 0.6311, 0.3250



20.7656, 0.5016, 0.4984



20.7656, 0.0735, 0.1978



20.7656, 0.1037, 0.1156

Sweetspot

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



20.7677, 0.6311, 0.3250



56.8496, 0.3737, 0.3212



23.3287, 0.2954, 0.1401



11.1994, 0.3859, 0.3201



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.



20.7677, 0.6311, 0.3250



21.3317, 0.6312, 0.3251



29.9666, 0.5729, 0.3833



17.2532, 0.3278, 0.3267



10.8267, 0.6288, 0.3238



1.0118, 0.6066, 0.3115

Inverse Universe

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



20.7677, 0.6311, 0.3250



21.3317, 0.6312, 0.3251



29.2285, 0.1860, 0.1896



17.2532, 0.3278, 0.3267



10.8267, 0.6288, 0.3238



1.0118, 0.6066, 0.3115

Previews

White Background



This preview shows how the Yxy color 20.7656, 0.6311, 0.3250 looks on a white background.

Color Contrast Check

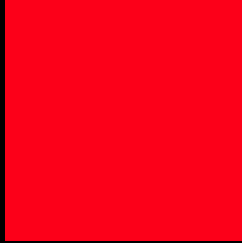
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7656, 0.6311, 0.3250 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 20.7656, 0.6311, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 20.7656, 0.6311, 0.3250.



This preview shows how white text looks on a background with the Yxy color 20.7656, 0.6311, 0.3250.

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

20.7656, 0.6311, 0.3250

Protanopia

21.1348, 0.4173, 0.4580

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.7656, 0.6311, 0.3250



Protanomaly

15.9764, 0.5332, 0.3769



Deuteranomaly

16.7968, 0.5679, 0.3823



Tritanomaly

20.8706, 0.6344, 0.3310

Monochromacy



Original Color

20.7656, 0.6311, 0.3250



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

8.2597, 0.4924, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7656, 0.6311, 0.3250 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(252, 0, 25)` looks like.

```
.text, #text, p{  
  color:rgb(252, 0, 25)  
}
```

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(252, 0, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.7656, 0.6311, 0.3250 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(252, 0, 25) }
```

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

```
.border{ border-color:rgb(252, 0, 25) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 25);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 25)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7656, 0.6311, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 25) }
```

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

```
.background{ background-color: rgb(252, 0,  
25) }
```

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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