

Converting Colors

$Y_{xy}(20.5292, 0.6379, 0.3315)$

Have a look what the booklet for
Yxy(20.5292, 0.6379, 0.3315)
contains.

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Color

Yxy(20.5433, 0.6378, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	FA0A01
RGB	250, 10, 1
RGB Percent	98%, 4%, 0%
CMY	0.0196, 0.9603, 0.9962
CMYK	0.00, 0.96, 1.00, 0.02
HSL	2°, 99%, 49%
HSV	2°, 100%, 98%
XYZ	39.5369, 20.5433, 1.9093
YIQ	80.7340, 145.9290, 48.0810

Conversions

Conversions Part 2

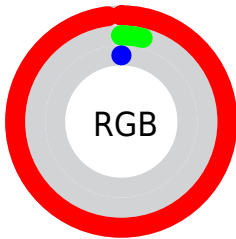
Format	Color
R_{YB}	250, 10, 1
Decimal	16386561
CIE Lab	52.45, 78.22, 66.05
CIE LCh	52, 102.375, 40.180
Yxy	20.5433, 0.6378, 0.3314
Android (android.graphics.Color)	4294576641 (0xFFFA0A01)
YUV	80.7340, -39.3089, 148.4463
Hunter-Lab	45.3247, 76.3877, 29.2297

Details

The Yxy color **20.5433, 0.6378, 0.3314** 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 **69.7284, 0.2215, 0.3173**, and the grayscale version is **8.2437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1252, 0.5516, 0.3589**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.5222, 0.6383, 0.3314**, and if you desaturate by 10%, it is **21.5528, 0.6206, 0.3328**.

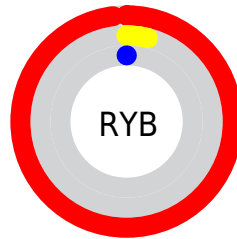
Distribution



Red (98%)

Green (4%)

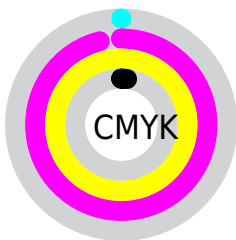
Blue (0%)



Red (98%)

Yellow (4%)

Blue (0%)

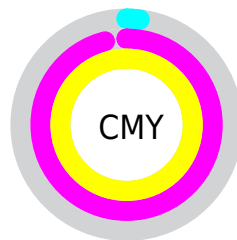


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (96%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5433, 0.6378, 0.3314 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 20.5433, 0.6378, 0.3314 by changing the saturation by 10% instead.


 20.5433, 0.6378,
0.3314


 20.5433, 0.6378,
0.3314


 254.8413, 0.4716,
0.3584


 12.7906, 0.6731,
0.3147


 44.3262, 0.5813,
0.3494


 7.2845, 0.7117,
0.2883


 61.1252, 0.5585,
0.3537


 3.6407, 0.7520,
0.2480

 81.7084, 0.5387,
0.3563

 1.4747, 0.8068,
0.1932

 106.4602, 0.5215,
0.3578

 0.2708, 0.9168,
0.0832

 135.7650, 0.5066,
0.3585


 0.0000, 1.0000,
0.0000


 170.0072, 0.4934,


 0.0000, 0.0000,


0.3588


0.0000


 209.5712, 0.4818,
0.3587

 20.5433, 0.6378,
0.3314

 20.5433, 0.6378,
0.3314


 20.5222, 0.6383,
0.3314

 21.5528, 0.6206,
0.3328

 23.6160, 0.5880,
0.3342

 26.9334, 0.5442,
0.3349

 31.6613, 0.4967,
0.3348

 37.9332, 0.4514,
0.3342

■ 45.8674, 0.4116,
0.3332

■ 55.5705, 0.3784,
0.3321

■ 67.1402, 0.3513,
0.3310

■ 80.6671, 0.3296,
0.3299

Harmonies

Analogous

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



20.5433, 0.5801, 0.2528



20.5433, 0.6378, 0.3314



20.5433, 0.5703, 0.4297

Triad

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



20.5433, 0.6378, 0.3314



20.5433, 0.1736, 0.5976



20.5433, 0.1252, 0.1102

Complementary

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



20.5433, 0.6378, 0.3314



69.7284, 0.2215, 0.3173

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.



20.5433, 0.0799, 0.1223



20.5433, 0.6378, 0.3314



20.5433, 0.0922, 0.3399

Square

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



20.5433, 0.6378, 0.3314



20.5433, 0.2990, 0.6730



20.5433, 0.0685, 0.1815



20.5433, 0.2249, 0.1291

Rectangle

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



20.5433, 0.6378, 0.3314



20.5433, 0.4865, 0.5135



20.5433, 0.0685, 0.1815



20.5433, 0.1054, 0.1106

Sweetspot

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



20.5446, 0.6378, 0.3314



57.6683, 0.3796, 0.3321



26.7363, 0.3295, 0.1590



11.3840, 0.3930, 0.3326



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.



20.5446, 0.6378, 0.3314



21.4633, 0.6383, 0.3314



37.3153, 0.5328, 0.4149



17.3273, 0.3293, 0.3299



10.9309, 0.6375, 0.3320



1.0473, 0.6312, 0.3370

Inverse Universe

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



69.7284, 0.2215, 0.3173



72.9092, 0.2215, 0.3173



19.6730, 0.1735, 0.1443



19.4928, 0.2980, 0.3281



37.0226, 0.2215, 0.3175



3.4621, 0.2219, 0.3189

Previews

White Background



This preview shows how the Yxy color 20.5433, 0.6378, 0.3314 looks on a white background.

Color Contrast Check

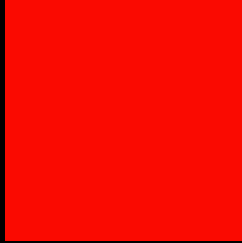
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5433, 0.6378, 0.3314 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 20.5433, 0.6378, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 20.5433, 0.6378, 0.3314.



This preview shows how white text looks on a background with the Yxy color 20.5433, 0.6378, 0.3314.

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

20.5433, 0.6378, 0.3314

Protanopia

21.0338, 0.4274, 0.4731

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.5693, 0.6344, 0.3345

Trichromacy



Original Color

20.5433, 0.6378, 0.3314



Protanomaly

16.2185, 0.5422, 0.3933



Deuteranomaly

16.9438, 0.5654, 0.3893



Tritanomaly

20.5723, 0.6361, 0.3331

Monochromacy



Original Color

20.5433, 0.6378, 0.3314



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.7311, 0.5032, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5433, 0.6378, 0.3314 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, 10, 1)` looks like.

```
.text, #text, p{  
    color:rgb(250, 10, 1)  
}
```

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, 10, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 10, 1) }
```

Border

The CSS property to change the border of an element to Yxy 20.5433, 0.6378, 0.3314 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, 10, 1) }
```

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

```
.border{ border-color:rgb(250, 10, 1) }
```

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

Here you see how a box with a 4 pixel rgb(250, 10, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 10, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 10, 1);  
box-shadow:4px 4px 4px 4px rgb(250, 10, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5433, 0.6378, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 10, 1) }
```

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

```
.background{ background-color: rgb(250, 10,  
1) }
```

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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