

Converting Colors

$Y_{xy}(20.8553, 0.6364, 0.3321)$

Have a look what the booklet for
Yxy(20.8553, 0.6364, 0.3321)
contains.

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Color

Yxy(20.8553, 0.6364, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	FB0F02
RGB	251, 15, 2
RGB Percent	98%, 6%, 1%
CMY	0.0157, 0.9409, 0.9919
CMYK	0.00, 0.94, 0.99, 0.02
HSL	3°, 98%, 50%
HSV	3°, 99%, 98%
XYZ	39.9648, 20.8553, 1.9781
YIQ	84.0820, 144.8290, 45.9890

Conversions

Conversions Part 2

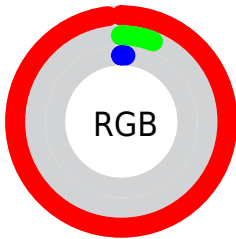
Format	Color
RYB	251, 16, 2
Decimal	16453378
CIELab	52.79, 78.07, 66.03
CIElCh	53, 102.250, 40.222
Yxy	20.8553, 0.6364, 0.3321
Android (android.graphics.Color)	4294643458 (0xFFFB0F02)
YUV	84.0820, -40.4664, 146.3871
Hunter-Lab	45.6676, 76.2913, 29.3991

Details

The Yxy color **20.8553, 0.6364, 0.3321** 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 **68.1161, 0.2202, 0.3125**, and the grayscale version is **8.9565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5099, 0.5489, 0.3600**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7994, 0.6374, 0.3321**, and if you desaturate by 10%, it is **22.0301, 0.6178, 0.3344**.

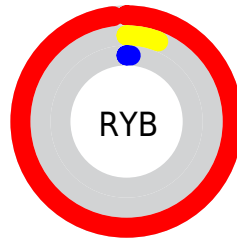
Distribution



Red (98%)

Green (6%)

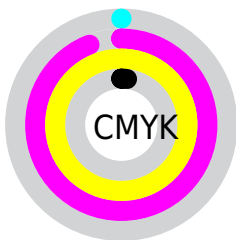
Blue (1%)



Red (98%)

Yellow (6%)

Blue (1%)

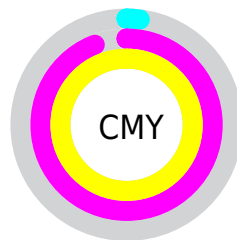


Cyan (0%)

Magenta (94%)

Yellow (99%)

Black (2%)



Cyan (2%)


Magenta (94%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8553, 0.6364, 0.3321 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 20.8553, 0.6364, 0.3321 by changing the saturation by 10% instead.


 20.8553, 0.6364,
0.3321


 20.8553, 0.6364,
0.3321


 256.5085, 0.4711,
0.3584


 13.0183, 0.6713,
0.3156


 44.8466, 0.5802,
0.3498

 7.4411, 0.7102,
0.2898


 61.7696, 0.5575,
0.3540

 3.7395, 0.7500,
0.2500

 82.4902, 0.5379,
0.3565

 1.5289, 0.8043,
0.1957

 107.3925, 0.5208,
0.3580

 0.3090, 0.9083,
0.0917

 136.8612, 0.5059,
0.3586


 0.0000, 1.0000,
0.0000


 171.2804, 0.4928,


 0.0000, 0.0000,

0.3589


0.0000

 211.0347, 0.4813,
0.3587


 20.8553, 0.6364,
0.3321

 20.8553, 0.6364,
0.3321


 20.7994, 0.6374,
0.3321

 22.0301, 0.6178,
0.3344

 24.2747, 0.5842,
0.3363

 27.7745, 0.5402,
0.3372

 32.6766, 0.4930,
0.3370

 39.1080, 0.4484,
0.3361

47.1813, 0.4094,
0.3348

56.9986, 0.3768,
0.3333

68.6537, 0.3501,
0.3317

82.2337, 0.3287,
0.3303

Harmonies

Analogous

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



20.8553, 0.5788, 0.2535



20.8553, 0.6364, 0.3321



20.8553, 0.5696, 0.4304

Triad

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



20.8553, 0.6364, 0.3321



20.8553, 0.1744, 0.5953



20.8553, 0.1260, 0.1110

Complementary

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



20.8553, 0.6364, 0.3321



68.1161, 0.2202, 0.3125

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.



20.8553, 0.0806, 0.1231



20.8553, 0.6364, 0.3321



20.8553, 0.0931, 0.3398

Square

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



20.8553, 0.6364, 0.3321



20.8553, 0.2996, 0.6712



20.8553, 0.0693, 0.1822



20.8553, 0.2256, 0.1298

Rectangle

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



20.8553, 0.6364, 0.3321



20.8553, 0.4863, 0.5137



20.8553, 0.0693, 0.1822



20.8553, 0.1062, 0.1113

Sweetspot

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



20.8566, 0.6364, 0.3321



58.1553, 0.3793, 0.3334



26.7585, 0.3340, 0.1615



11.4942, 0.3925, 0.3340



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.



20.8566, 0.6364, 0.3321



21.5564, 0.6375, 0.3320



38.9705, 0.5272, 0.4191



17.3707, 0.3293, 0.3303



10.9946, 0.6364, 0.3329



1.0679, 0.6275, 0.3399

Inverse Universe

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



68.1161, 0.2202, 0.3125



70.5270, 0.2201, 0.3123



19.0307, 0.1723, 0.1397



19.4439, 0.2980, 0.3277



35.8350, 0.2202, 0.3126



3.3652, 0.2208, 0.3147

Previews

White Background



This preview shows how the Yxy color 20.8553, 0.6364, 0.3321 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



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 20.8553, 0.6364, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 20.8553, 0.6364, 0.3321.



This preview shows how white text looks on a background with the Yxy color 20.8553, 0.6364, 0.3321.

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

20.8553, 0.6364, 0.3321

Protanopia

21.1227, 0.4287, 0.4722

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.8553, 0.6364, 0.3321

Protanomaly

16.6548, 0.5400, 0.3953

Deuteranomaly

17.3742, 0.5627, 0.3908

Tritanomaly

20.8265, 0.6352, 0.3334

Monochromacy



Original Color

20.8553, 0.6364, 0.3321

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.4140, 0.4985, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8553, 0.6364, 0.3321 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(251, 15, 2)` looks like.

```
.text, #text, p{  
  color:rgb(251, 15, 2)  
}
```

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(251, 15, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 15, 2) }
```

Border

The CSS property to change the border of an element to Yxy 20.8553, 0.6364, 0.3321 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(251, 15, 2) }
```

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

```
.border{ border-color:rgb(251, 15, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 15, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 15, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 15, 2);  
box-shadow:4px 4px 4px 4px rgb(251, 15, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8553, 0.6364, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 15, 2) }
```

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

```
.background{ background-color: rgb(251, 15,  
2) }
```

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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