

Converting Colors

$Y_{xy}(20.6452, 0.6370, 0.3324)$

Have a look what the booklet for
Yxy(20.6452, 0.6370, 0.3324)
contains.

Yxy(20.6656, 0.6370, 0.3324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6656, 0.6370, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	FA0F00
RGB	250, 15, 0
RGB Percent	98%, 6%, 0%
CMY	0.0195, 0.9417, 0.9999
CMYK	0.00, 0.94, 1.00, 0.02
HSL	4°, 100%, 49%
HSV	4°, 100%, 98%
XYZ	39.6028, 20.6656, 1.9024
YIQ	83.5550, 144.8750, 45.1550

Conversions

Conversions Part 2

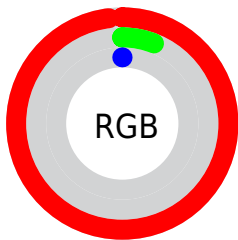
Format	Color
RYB	250, 16, 0
Decimal	16387840
CIELab	52.58, 77.84, 66.35
CIElCh	53, 102.279, 40.442
Yxy	20.6656, 0.6370, 0.3324
Android (android.graphics.Color)	4294577920 (0xFFFA0F00)
YUV	83.5550, -41.1926, 145.9723
Hunter-Lab	45.4594, 75.9497, 29.3404

Details

The Yxy color **20.6656, 0.6370, 0.3324** 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 **66.4335, 0.2195, 0.3100**, and the grayscale version is **8.8180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4892, 0.5506, 0.3613**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.6660, 0.6370, 0.3324**, and if you desaturate by 10%, it is **21.8102, 0.6190, 0.3349**.

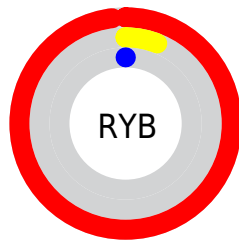
Distribution



Red (98%)

Green (6%)

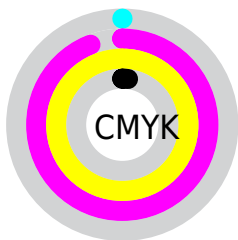
Blue (0%)



Red (98%)

Yellow (6%)

Blue (0%)

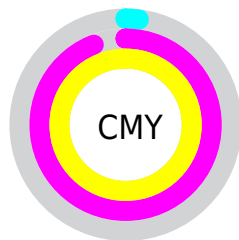


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6656, 0.6370, 0.3324 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 20.6656, 0.6370, 0.3324 by changing the saturation by 10% instead.


 20.6656, 0.6370,
0.3324


 20.6656, 0.6370,
0.3324


 255.4960, 0.4714,
0.3589


 12.8798, 0.6721,
0.3158


 44.5303, 0.5808,
0.3502


 7.3458, 0.7104,
0.2896


 61.3780, 0.5581,
0.3545


 3.6793, 0.7505,
0.2495

 82.0152, 0.5384,
0.3570

 1.4958, 0.8051,
0.1949

 106.8261, 0.5213,
0.3584

 0.2858, 0.9129,
0.0871

 136.1953, 0.5063,
0.3591


 0.0000, 1.0000,
0.0000


 170.5070, 0.4932,

 0.0000, 0.0000,


0.3593

0.0000

 210.1458, 0.4817,
0.3592


 20.6656, 0.6370,
0.3324


 20.6656, 0.6370,
0.3324

 20.6660, 0.6370,
0.3324

 21.8102, 0.6190,
0.3349

 23.9942, 0.5863,
0.3371

 27.4011, 0.5429,
0.3382

 32.1746, 0.4960,
0.3381

 38.4385, 0.4513,
0.3371

■ 46.3027, 0.4120,
0.3357

■ 55.8668, 0.3790,
0.3340

■ 67.2223, 0.3520,
0.3322

■ 80.4542, 0.3302,
0.3305

Harmonies

Analogous

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



20.6656, 0.5806, 0.2537



20.6656, 0.6370, 0.3324



20.6656, 0.5690, 0.4310

Triad

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



20.6656, 0.6370, 0.3324



20.6656, 0.1731, 0.5947



20.6656, 0.1262, 0.1106

Complementary

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



20.6656, 0.6370, 0.3324



66.4335, 0.2195, 0.3100

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.



20.6656, 0.0804, 0.1224



20.6656, 0.6370, 0.3324



20.6656, 0.0923, 0.3380

Square

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



20.6656, 0.6370, 0.3324



20.6656, 0.2982, 0.6726



20.6656, 0.0688, 0.1811



20.6656, 0.2263, 0.1297

Rectangle

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



20.6656, 0.6370, 0.3324



20.6656, 0.4853, 0.5147



20.6656, 0.0688, 0.1811



20.6656, 0.1062, 0.1109

Sweetspot

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



20.6669, 0.6370, 0.3324



58.3772, 0.3791, 0.3340



26.4751, 0.3341, 0.1614



11.5445, 0.3923, 0.3347



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.



20.6669, 0.6370, 0.3324



21.6053, 0.6371, 0.3324



38.3714, 0.5285, 0.4185



17.3903, 0.3293, 0.3305



11.0243, 0.6359, 0.3333



1.0773, 0.6259, 0.3412

Inverse Universe

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



66.4335, 0.2195, 0.3100



69.4651, 0.2195, 0.3100



18.6097, 0.1718, 0.1383



19.4217, 0.2980, 0.3275



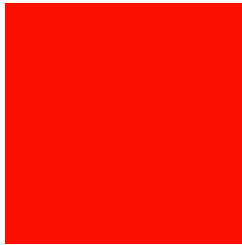
35.3055, 0.2196, 0.3104



3.3220, 0.2202, 0.3127

Previews

White Background



This preview shows how the Yxy color 20.6656, 0.6370, 0.3324 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 20.6656, 0.6370, 0.3324 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 20.6656, 0.6370, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 20.6656, 0.6370, 0.3324.

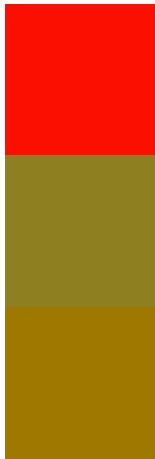


This preview shows how white text looks on a background with the Yxy color 20.6656, 0.6370, 0.3324.

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

20.6656, 0.6370, 0.3324

Protanopia

21.0338, 0.4274, 0.4731

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.7525, 0.6345, 0.3344

Trichromacy



Original Color

20.6656, 0.6370, 0.3324

Protanomaly

16.5298, 0.5397, 0.3963

Deuteranomaly

17.2411, 0.5624, 0.3917

Tritanomaly

20.6400, 0.6355, 0.3336

Monochromacy



Original Color

20.6656, 0.6370, 0.3324

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.2124, 0.5003, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6656, 0.6370, 0.3324 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, 15, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 15, 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(250, 15, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 15, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6656, 0.6370, 0.3324 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, 15, 0) }
```

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

```
.border{ border-color:rgb(250, 15, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 15, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 15, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 15, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 15, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6656, 0.6370, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 15, 0) }
```

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

```
.background{ background-color: rgb(250, 15,  
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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