

Converting Colors

$Y_{xy}(20.3751, 0.6332, 0.3262)$

Have a look what the booklet for
Yxy(20.3751, 0.6332, 0.3262)
contains.

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Color

Yxy(20.3781, 0.6330, 0.3261)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FA0015 |
| RGB | 250, 0, 21 |
| RGB Percent | 98%, 0%, 8% |
| CMY | 0.0197, 0.9993, 0.9178 |
| CMYK | 0.00, 1.00, 0.92, 0.02 |
| HSL | 355°, 100%, 49% |
| HSV | 355°, 100%, 98% |
| XYZ | 39.5564, 20.3781, 2.5559 |
| YIQ | 77.1440, 142.2590, 59.5310 |

Conversions

Conversions Part 2

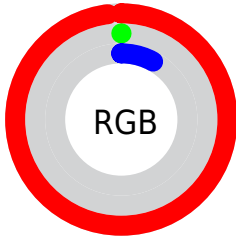
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 250, 0, 21 |
| Decimal | 16384021 |
| CIELab | 52.26, 79.07, 60.43 |
| CIELCh | 52, 99.518, 37.388 |
| Yxy | 20.3781, 0.6330, 0.3261 |
| Android (android.graphics.Color) | 4294574101 (0xFFFA0015) |
| YUV | 77.1440, -27.6790, 151.5947 |
| Hunter-Lab | 45.1421, 77.4144, 28.2426 |

Details

The Yxy color **20.3781, 0.6330, 0.3261** 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 **74.0331, 0.2320, 0.3552**, and the grayscale version is **7.5001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0807, 0.5417, 0.3500**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.3752, 0.6331, 0.3261**, and if you desaturate by 10%, it is **21.2051, 0.6116, 0.3224**.

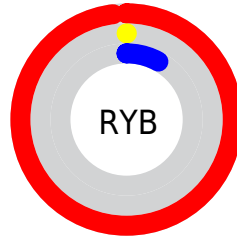
Distribution



Red (98%)

Green (0%)

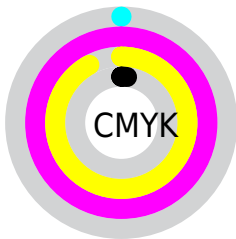
Blue (8%)



Red (98%)

Yellow (0%)

Blue (8%)

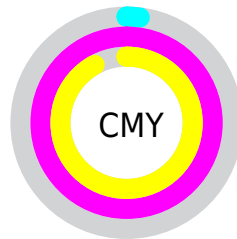


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3781, 0.6330, 0.3261 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 20.3781, 0.6330, 0.3261 by changing the saturation by 10% instead.


 20.3781, 0.6330,
0.3261


 20.3781, 0.6330,
0.3261


253.9547, 0.4659,
0.3528


 12.6702, 0.6691,
0.3097


 44.0502, 0.5749,
0.3432


 7.2018, 0.7142,
0.2858


 60.7832, 0.5518,
0.3474


 3.5886, 0.7548,
0.2452

 81.2933, 0.5321,
0.3500

 1.4462, 0.8100,
0.1900

 105.9649, 0.5150,
0.3516

 0.2504, 0.9226,
0.0774

 135.1825, 0.5003,
0.3524


 0.0000, 1.0000,
0.0000


 169.3304, 0.4873,


 0.0000, 0.0000,


0.3528


0.0000


 208.7930, 0.4760,
0.3529


 20.3781, 0.6330,
0.3261


 20.3781, 0.6330,
0.3261


 20.3752, 0.6331,
0.3261

 21.2051, 0.6116,
0.3224

 23.0200, 0.5764,
0.3192

 26.1097, 0.5324,
0.3175

 30.6516, 0.4863,
0.3174

 36.7951, 0.4431,
0.3185

■ 44.6709, 0.4057,
0.3204

■ 54.3963, 0.3745,
0.3225

■ 66.0784, 0.3492,
0.3248

■ 79.8161, 0.3289,
0.3270

Harmonies

Analogous

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



20.3781, 0.5611, 0.2479



20.3781, 0.6330, 0.3261



20.3781, 0.5783, 0.4217

Triad

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



20.3781, 0.6330, 0.3261



20.3781, 0.1881, 0.6083



20.3781, 0.1221, 0.1130

Complementary

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



20.3781, 0.6330, 0.3261



74.0331, 0.2320, 0.3552

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.



20.3781, 0.0805, 0.1287



20.3781, 0.6330, 0.3261



20.3781, 0.1010, 0.3619

Square

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



20.3781, 0.6330, 0.3261



20.3781, 0.3148, 0.6602



20.3781, 0.0722, 0.1943



20.3781, 0.2147, 0.1290

Rectangle

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



20.3781, 0.6330, 0.3261



20.3781, 0.4988, 0.5012



20.3781, 0.0722, 0.1943



20.3781, 0.1038, 0.1144

Sweetspot

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



20.3794, 0.6330, 0.3261



56.7972, 0.3748, 0.3225



23.5910, 0.2997, 0.1425



11.1875, 0.3872, 0.3216



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.



20.3794, 0.6330, 0.3261



21.3150, 0.6332, 0.3262



30.2752, 0.5679, 0.3872



17.2486, 0.3281, 0.3271



10.8170, 0.6311, 0.3250



1.0096, 0.6117, 0.3143

Inverse Universe

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



20.3794, 0.6330, 0.3261



21.3150, 0.6332, 0.3262



27.4284, 0.1844, 0.1838



17.2486, 0.3281, 0.3271



10.8170, 0.6311, 0.3250



1.0096, 0.6117, 0.3143

Previews

White Background



This preview shows how the Yxy color 20.3781, 0.6330, 0.3261 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 20.3781, 0.6330, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 20.3781, 0.6330, 0.3261.



This preview shows how white text looks on a background with the Yxy color 20.3781, 0.6330, 0.3261.

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

20.3781, 0.6330, 0.3261

Protanopia

20.7588, 0.4202, 0.4619

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.5693, 0.6344, 0.3345

Trichromacy



Original Color

20.3781, 0.6330, 0.3261



Protanomaly

15.6824, 0.5375, 0.3792



Deuteranomaly

16.3929, 0.5684, 0.3824



Tritanomaly

20.4989, 0.6346, 0.3312

Monochromacy



Original Color

20.3781, 0.6330, 0.3261



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

8.0675, 0.4965, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3781, 0.6330, 0.3261 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, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 21)  
}
```

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, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 21) }
```

Border

The CSS property to change the border of an element to Yxy 20.3781, 0.6330, 0.3261 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, 0, 21) }
```

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

```
.border{ border-color:rgb(250, 0, 21) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3781, 0.6330, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 21) }
```

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

```
.background{ background-color: rgb(250, 0,  
21) }
```

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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