

Converting Colors

$Y_{xy}(20.8462, 0.6316, 0.3253)$

Have a look what the booklet for
Yxy(20.8462, 0.6316, 0.3253)
contains.

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Color

Yxy(20.7614, 0.6316, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	FC0018
RGB	252, 0, 24
RGB Percent	99%, 0%, 9%
CMY	0.0118, 0.9998, 0.9056
CMYK	0.00, 1.00, 0.90, 0.01
HSL	354°, 100%, 49%
HSV	354°, 100%, 99%
XYZ	40.3102, 20.7614, 2.7507
YIQ	78.0840, 142.4880, 60.8880

Conversions

Conversions Part 2

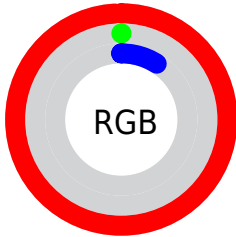
Format	Color
R_{YB}	252, 0, 24
Decimal	16515096
CIE Lab	52.69, 79.59, 59.74
CIE LCh	53, 99.520, 36.891
Yxy	20.7614, 0.6316, 0.3253
Android (android.graphics.Color)	4294705176 (0xFFFC0018)
YUV	78.0840, -26.6634, 152.5243
Hunter-Lab	45.5647, 78.1773, 28.3159

Details

The Yxy color **20.7614, 0.6316, 0.3253** 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 **75.2211, 0.2331, 0.3593**, and the grayscale version is **7.6750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1068, 0.5397, 0.3485**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7612, 0.6316, 0.3253**, and if you desaturate by 10%, it is **21.6058, 0.6093, 0.3210**.

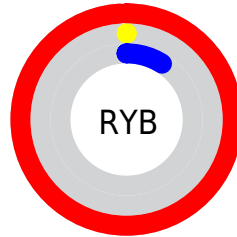
Distribution



Red (99%)

Green (0%)

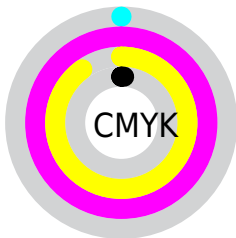
Blue (9%)



Red (99%)

Yellow (0%)

Blue (9%)

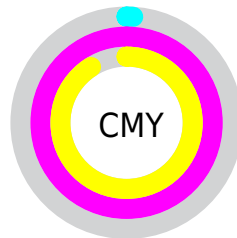


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7614, 0.6316, 0.3253 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 20.7614, 0.6316, 0.3253 by changing the saturation by 10% instead.


 20.7614, 0.6316,
0.3253


 20.7614, 0.6316,
0.3253


256.0077, 0.4652,
0.3518


 12.9497, 0.6677,
0.3092


 44.6901, 0.5736,
0.3422


 7.3939, 0.7138,
0.2862


 61.5759, 0.5507,
0.3463


 3.7097, 0.7540,
0.2460

 82.2552, 0.5310,
0.3489

 1.5125, 0.8085,
0.1915

 107.1123, 0.5141,
0.3505

 0.2975, 0.9130,
0.0870

 136.5318, 0.4993,
0.3514


 0.0000, 1.0000,
0.0000


 170.8979, 0.4865,

 0.0000, 0.0000,


0.3518

0.0000


 210.5951, 0.4752,
0.3519


 20.7614, 0.6316,
0.3253


 20.7614, 0.6316,
0.3253


 20.7612, 0.6316,
0.3253

 21.6058, 0.6093,
0.3210

 23.4540, 0.5739,
0.3174

 26.5983, 0.5299,
0.3156

 31.2194, 0.4842,
0.3156

 37.4691, 0.4416,
0.3169

■ 45.4806, 0.4046,
0.3191

■ 55.3730, 0.3738,
0.3216

■ 67.2554, 0.3488,
0.3241

■ 81.2282, 0.3288,
0.3267

Harmonies

Analogous

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



20.7614, 0.5573, 0.2471



20.7614, 0.6316, 0.3253



20.7614, 0.5796, 0.4204

Triad

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



20.7614, 0.6316, 0.3253



20.7614, 0.1909, 0.6093



20.7614, 0.1217, 0.1138

Complementary

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



20.7614, 0.6316, 0.3253



75.2211, 0.2331, 0.3593

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.



20.7614, 0.0809, 0.1300



20.7614, 0.6316, 0.3253



20.7614, 0.1028, 0.3658

Square

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



20.7614, 0.6316, 0.3253



20.7614, 0.3178, 0.6573



20.7614, 0.0731, 0.1969



20.7614, 0.2131, 0.1292

Rectangle

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



20.7614, 0.6316, 0.3253



20.7614, 0.5009, 0.4991



20.7614, 0.0731, 0.1969



20.7614, 0.1037, 0.1153

Sweetspot

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



20.7627, 0.6316, 0.3253



56.8364, 0.3740, 0.3215



23.3287, 0.2954, 0.1401



11.1964, 0.3862, 0.3205



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.



20.7627, 0.6316, 0.3253



21.3272, 0.6317, 0.3254



29.9709, 0.5728, 0.3834



17.2521, 0.3279, 0.3268



10.8241, 0.6294, 0.3241



1.0112, 0.6078, 0.3122

Inverse Universe

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



20.7627, 0.6316, 0.3253



21.3272, 0.6317, 0.3254



29.2338, 0.1860, 0.1897



17.2521, 0.3279, 0.3268



10.8241, 0.6294, 0.3241



1.0112, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 20.7614, 0.6316, 0.3253 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 20.7614, 0.6316, 0.3253 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 20.7614, 0.6316, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 20.7614, 0.6316, 0.3253.



This preview shows how white text looks on a background with the Yxy color 20.7614, 0.6316, 0.3253.

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

20.7614, 0.6316, 0.3253

Protanopia

21.1268, 0.4181, 0.4591

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.7614, 0.6316, 0.3253



Protanomaly

15.9699, 0.5342, 0.3777



Deuteranomaly

16.6649, 0.5673, 0.3828



Tritanomaly

20.8706, 0.6344, 0.3310

Monochromacy



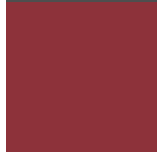
Original Color

20.7614, 0.6316, 0.3253



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

8.2494, 0.4947, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7614, 0.6316, 0.3253 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 24) }
```

Border

The CSS property to change the border of an element to Yxy 20.7614, 0.6316, 0.3253 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, 24) }
```

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

```
.border{ border-color:rgb(252, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7614, 0.6316, 0.3253 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, 24) }
```

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

```
.background{ background-color: rgb(252, 0,  
24) }
```

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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