

Converting Colors

$Y_{xy}(20.8425, 0.6321, 0.3256)$

Have a look what the booklet for
Yxy(20.8425, 0.6321, 0.3256)
contains.

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Color

Yxy(20.7573, 0.6321, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	FC0017
RGB	252, 0, 23
RGB Percent	99%, 0%, 9%
CMY	0.0118, 0.9994, 0.9095
CMYK	0.00, 1.00, 0.91, 0.01
HSL	355°, 100%, 49%
HSV	355°, 100%, 99%
XYZ	40.2970, 20.7573, 2.6967
YIQ	77.9700, 142.8090, 60.5770

Conversions

Conversions Part 2

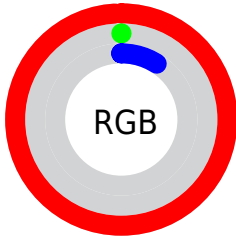
Format	Color
R_{YB}	252, 0, 23
Decimal	16515095
CIE Lab	52.68, 79.57, 60.12
CIE LCh	53, 99.731, 37.073
Yxy	20.7573, 0.6321, 0.3256
Android (android.graphics.Color)	4294705175 (0xFFFC0017)
YUV	77.9700, -27.1002, 152.6243
Hunter-Lab	45.5602, 78.1489, 28.3828

Details

The Yxy color **20.7573, 0.6321, 0.3256** 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 **75.2756, 0.2327, 0.3578**, and the grayscale version is **7.6634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0936, 0.5407, 0.3492**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7547, 0.6322, 0.3256**, and if you desaturate by 10%, it is **21.6007, 0.6101, 0.3215**.

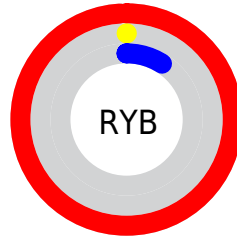
Distribution



Red (99%)

Green (0%)

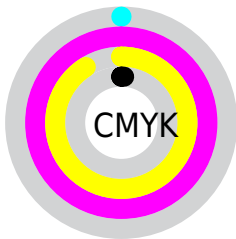
Blue (9%)



Red (99%)

Yellow (0%)

Blue (9%)

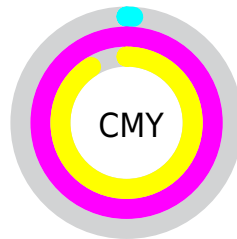


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (1%)



Cyan (1%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7573, 0.6321, 0.3256 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 20.7573, 0.6321, 0.3256 by changing the saturation by 10% instead.


 20.7573, 0.6321,
0.3256

 20.7573, 0.6321,
0.3256


255.9859, 0.4657,
0.3522


 12.9467, 0.6681,
0.3094


 44.6833, 0.5741,
0.3425


 7.3919, 0.7138,
0.2862


 61.5674, 0.5512,
0.3467


 3.7084, 0.7539,
0.2461

 82.2449, 0.5316,
0.3493

 1.5118, 0.8084,
0.1916

 107.1001, 0.5146,
0.3509

 0.2970, 0.9131,
0.0869

 136.5174, 0.4999,
0.3518


 0.0000, 1.0000,
0.0000


 170.8812, 0.4870,

 0.0000, 0.0000,


0.3522

0.0000

 210.5759, 0.4757,
0.3523

 20.7573, 0.6321,
0.3256


 20.7573, 0.6321,
0.3256


 20.7547, 0.6322,
0.3256

 21.6007, 0.6101,
0.3215

 23.4501, 0.5747,
0.3181

 26.5969, 0.5308,
0.3163

 31.2217, 0.4849,
0.3163

 37.4765, 0.4421,
0.3175

■ 45.4944, 0.4049,
0.3195

■ 55.3948, 0.3740,
0.3219

■ 67.2867, 0.3489,
0.3244

■ 81.2707, 0.3288,
0.3268

Harmonies

Analogous

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



20.7573, 0.5586, 0.2474



20.7573, 0.6321, 0.3256



20.7573, 0.5791, 0.4209

Triad

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



20.7573, 0.6321, 0.3256



20.7573, 0.1899, 0.6089



20.7573, 0.1219, 0.1135

Complementary

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



20.7573, 0.6321, 0.3256



75.2756, 0.2327, 0.3578

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.



20.7573, 0.0807, 0.1295



20.7573, 0.6321, 0.3256



20.7573, 0.1022, 0.3644

Square

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



20.7573, 0.6321, 0.3256



20.7573, 0.3167, 0.6583



20.7573, 0.0728, 0.1960



20.7573, 0.2137, 0.1291

Rectangle

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



20.7573, 0.6321, 0.3256



20.7573, 0.5001, 0.4999



20.7573, 0.0728, 0.1960



20.7573, 0.1037, 0.1150

Sweetspot

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



20.7586, 0.6321, 0.3256



56.8223, 0.3743, 0.3219



23.3300, 0.2954, 0.1401



11.1932, 0.3866, 0.3209



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.



20.7586, 0.6321, 0.3256



21.3227, 0.6323, 0.3257



29.9792, 0.5727, 0.3834



17.2508, 0.3280, 0.3269



10.8215, 0.6300, 0.3244



1.0107, 0.6092, 0.3130

Inverse Universe

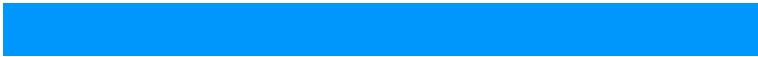
The Inverse Universe completely reimagines the original color for something new.



20.7586, 0.6321, 0.3256



21.3227, 0.6323, 0.3257



29.2439, 0.1861, 0.1897



17.2508, 0.3280, 0.3269



10.8215, 0.6300, 0.3244



1.0107, 0.6092, 0.3130

Previews

White Background



This preview shows how the Yxy color 20.7573, 0.6321, 0.3256 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 20.7573, 0.6321, 0.3256 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 20.7573, 0.6321, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 20.7573, 0.6321, 0.3256.



This preview shows how white text looks on a background with the Yxy color 20.7573, 0.6321, 0.3256.

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

20.7573, 0.6321, 0.3256

Protanopia

21.1190, 0.4189, 0.4603

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.7573, 0.6321, 0.3256



Protanomaly

15.9635, 0.5351, 0.3785



Deuteranomaly

16.6627, 0.5676, 0.3831



Tritanomaly

20.8684, 0.6347, 0.3312

Monochromacy



Original Color

20.7573, 0.6321, 0.3256



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 20.7573, 0.6321, 0.3256 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 23) }
```

Border

The CSS property to change the border of an element to Yxy 20.7573, 0.6321, 0.3256 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, 23) }
```

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

```
.border{ border-color:rgb(252, 0, 23) }
```

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, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7573, 0.6321, 0.3256 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, 23) }
```

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

```
.background{ background-color: rgb(252, 0,  
23) }
```

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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