

Converting Colors

Yxy(20.3943, 0.6274, 0.3298)

Have a look what the booklet for
Yxy(20.3943, 0.6274, 0.3298)
contains.

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Color

Yxy(20.3684, 0.6275, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	F71516
RGB	247, 21, 22
RGB Percent	97%, 8%, 9%
CMY	0.0314, 0.9172, 0.9140
CMYK	0.00, 0.91, 0.91, 0.03
HSL	360°, 93%, 53%
HSV	360°, 91%, 97%
XYZ	38.7661, 20.3684, 2.6441
YIQ	88.6880, 134.3750, 48.2230

Conversions

Conversions Part 2

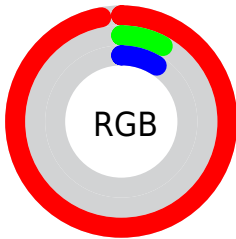
Format	Color
R_{YB}	247, 21, 22
Decimal	16192790
CIE Lab	52.25, 76.61, 59.76
CIE LCh	52, 97.164, 37.953
Yxy	20.3684, 0.6275, 0.3297
Android (android.graphics.Color)	4294382870 (0xFFFF71516)
YUV	88.6880, -32.8772, 138.8396
Hunter-Lab	45.1314, 74.3446, 28.1183

Details

The Yxy color **20.3684, 0.6275, 0.3297** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **73.3363, 0.2258, 0.3298**, and the grayscale version is **9.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8422, 0.5373, 0.3528**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7730, 0.6398, 0.3298**, and if you desaturate by 10%, it is **21.9129, 0.5988, 0.3295**.

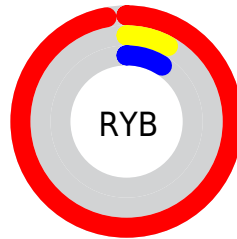
Distribution



Red (97%)

Green (8%)

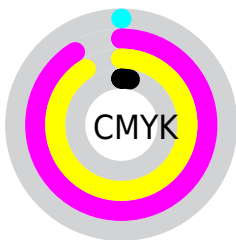
Blue (9%)



Red (97%)

Yellow (8%)

Blue (9%)

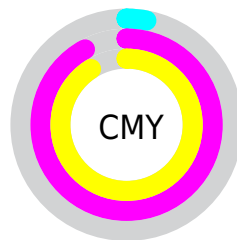


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (3%)



Cyan (3%)


Magenta (92%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3684, 0.6275, 0.3297 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 20.3684, 0.6275, 0.3297 by changing the saturation by 10% instead.


 20.3684, 0.6275,
0.3297


 20.3684, 0.6275,
0.3297

253.9026, 0.4627,
0.3538


 12.6631, 0.6634,
0.3139


 44.0340, 0.5699,
0.3458


 7.1970, 0.7089,
0.2911


 60.7631, 0.5472,
0.3496

 3.5856, 0.7492,
0.2508

 81.2689, 0.5277,
0.3519

 1.4446, 0.8043,
0.1957

 105.9358, 0.5110,
0.3532

 0.2492, 0.9195,
0.0805

 135.1482, 0.4964,
0.3538

 0.0000, 1.0000,
0.0000


 169.2906, 0.4837,


 0.0000, 0.0000,

0.3541


0.0000


 208.7472, 0.4726,
0.3540

 20.3684, 0.6275,
0.3297

 20.3684, 0.6275,
0.3297


 19.7730, 0.6398,
0.3298

 21.9129, 0.5988,
0.3295

 24.6739, 0.5567,
0.3292

 28.8354, 0.5086,
0.3291

 34.5495, 0.4615,
0.3290

 41.9487, 0.4197,
0.3289

■ 51.1512, 0.3846,
0.3289

■ 62.2647, 0.3561,
0.3289

■ 75.3883, 0.3332,
0.3290

■ 90.6144, 0.3150,
0.3290

Harmonies

Analogous

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



20.3684, 0.5584, 0.2514



20.3684, 0.6275, 0.3297



20.3684, 0.5744, 0.4256

Triad

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



20.3684, 0.6275, 0.3297



20.3684, 0.1895, 0.5969



20.3684, 0.1260, 0.1159

Complementary

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



20.3684, 0.6275, 0.3297



73.3363, 0.2258, 0.3298

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.



20.3684, 0.0838, 0.1311



20.3684, 0.6275, 0.3297



20.3684, 0.1036, 0.3577

Square

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



20.3684, 0.6275, 0.3297



20.3684, 0.3149, 0.6548



20.3684, 0.0751, 0.1954



20.3684, 0.2191, 0.1323

Rectangle

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



20.3684, 0.6275, 0.3297



20.3684, 0.4961, 0.5039



20.3684, 0.0751, 0.1954



20.3684, 0.1074, 0.1171

Sweetspot

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



20.3697, 0.6275, 0.3297



60.0032, 0.3713, 0.3289



26.3489, 0.3170, 0.1544



12.0040, 0.3815, 0.3289



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.



20.3697, 0.6275, 0.3297



21.2620, 0.6398, 0.3298



35.8681, 0.5311, 0.4096



16.4835, 0.3293, 0.3290



10.4594, 0.6397, 0.3298



0.9196, 0.6387, 0.3292

Inverse Universe

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



20.3697, 0.6275, 0.3297



21.2620, 0.6398, 0.3298



25.0000, 0.1835, 0.1753



16.4835, 0.3293, 0.3290



10.4594, 0.6397, 0.3298



0.9196, 0.6387, 0.3292

Previews

White Background



This preview shows how the Yxy color 20.3684, 0.6275, 0.3297 looks on a white background.

Color Contrast Check

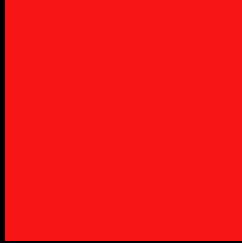
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3684, 0.6275, 0.3297 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 20.3684, 0.6275, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 20.3684, 0.6275, 0.3297.



This preview shows how white text looks on a background with the Yxy color 20.3684, 0.6275, 0.3297.

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

20.3684, 0.6275, 0.3297

Protanopia

20.6716, 0.4189, 0.4627

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.3655, 0.6324, 0.3329

Trichromacy



Original Color

20.3684, 0.6275, 0.3297

Protanomaly

16.6845, 0.5242, 0.3907

Deuteranomaly

17.1512, 0.5567, 0.3918

Tritanomaly

20.3770, 0.6309, 0.3320

Monochromacy



Original Color

20.3684, 0.6275, 0.3297

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.1594, 0.4724, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3684, 0.6275, 0.3297 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(247, 21, 22)` looks like.

```
.text, #text, p{  
    color:rgb(247, 21, 22)  
}
```

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(247, 21, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 21, 22) }
```

Border

The CSS property to change the border of an element to Yxy 20.3684, 0.6275, 0.3297 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(247, 21, 22) }
```

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

```
.border{ border-color:rgb(247, 21, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 21, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 21, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 21, 22);  
box-shadow:4px 4px 4px 4px rgb(247, 21,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3684, 0.6275, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 21, 22) }
```

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

```
.background{ background-color: rgb(247, 21,  
22) }
```

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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