

Converting Colors

$Y_{xy}(21.8292, 0.6207, 0.3454)$

Have a look what the booklet for
Yxy(21.8292, 0.6207, 0.3454)
contains.

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Color

Yxy(21.7895, 0.6203, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	F63100
RGB	246, 49, 0
RGB Percent	96%, 19%, 0%
CMY	0.0354, 0.8076, 1.0000
CMYK	0.00, 0.80, 1.00, 0.04
HSL	12°, 100%, 48%
HSV	12°, 100%, 96%
XYZ	39.0976, 21.7895, 2.1430
YIQ	102.3170, 133.1410, 26.5250

Conversions

Conversions Part 2

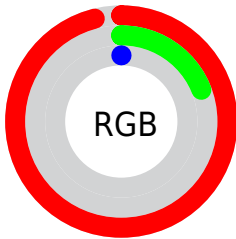
Format	Color
R_{YB}	246, 61, 0
Decimal	16134400
CIE Lab	53.80, 70.98, 66.35
CIE LCh	54, 97.163, 43.069
Yxy	21.7895, 0.6203, 0.3457
Android (android.graphics.Color)	4294324480 (0xFFFF63100)
YUV	102.3170, -50.4423, 126.0100
Hunter-Lab	46.6792, 67.8193, 29.9535

Details

The Yxy color **21.7895, 0.6203, 0.3457** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **46.5392, 0.2062, 0.2624**, and the grayscale version is **13.4928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3965, 0.5356, 0.3729**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7910, 0.6203, 0.3457**, and if you desaturate by 10%, it is **23.8839, 0.5963, 0.3536**.

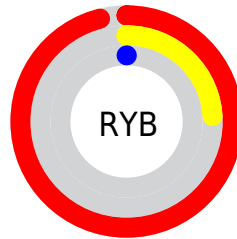
Distribution



Red (96%)

Green (19%)

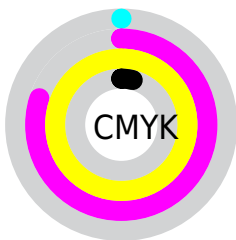
Blue (0%)



Red (96%)

Yellow (24%)

Blue (0%)

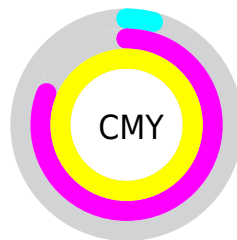


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (81%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7895, 0.6203, 0.3457 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 21.7895, 0.6203, 0.3457 by changing the saturation by 10% instead.


 21.7895, 0.6203,
0.3457


 21.7895, 0.6203,
0.3457


 261.4450, 0.4635,
0.3634


 13.7023, 0.6532,
0.3313


 46.3978, 0.5669,
0.3599


 7.9139, 0.6913,
0.3087


 63.6878, 0.5454,
0.3629


 4.0399, 0.7287,
0.2713

 84.8141, 0.5268,
0.3645

 1.6959, 0.7806,
0.2194

 110.1612, 0.5106,
0.3651

 0.4210, 0.8734,
0.1266

 140.1134, 0.4965,
0.3651


 0.0000, 1.0000,
0.0000

 175.0552, 0.4841,

 0.0000, 0.0000,


0.3647


0.0000

 215.3709, 0.4732,
0.3641

 21.7895, 0.6203,
0.3457

 21.7895, 0.6203,
0.3457


 21.7910, 0.6203,
0.3457

 23.8839, 0.5963,
0.3536

 26.8658, 0.5623,
0.3590

 30.8354, 0.5218,
0.3607

 35.8725, 0.4799,
0.3593

 42.0488, 0.4405,
0.3556

■ 49.4292, 0.4055,
0.3506

■ 58.0737, 0.3756,
0.3451

■ 68.0385, 0.3506,
0.3395

■ 79.3761, 0.3298,
0.3341

Harmonies

Analogous

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



21.7895, 0.5752, 0.2664



21.7895, 0.6203, 0.3457



21.7895, 0.5545, 0.4455

Triad

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



21.7895, 0.6203, 0.3457



21.7895, 0.1742, 0.5553



21.7895, 0.1401, 0.1193

Complementary

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



21.7895, 0.6203, 0.3457



46.5392, 0.2062, 0.2624

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.



21.7895, 0.0910, 0.1287



21.7895, 0.6203, 0.3457



21.7895, 0.0985, 0.3219

Square

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



21.7895, 0.6203, 0.3457



21.7895, 0.2951, 0.6556



21.7895, 0.0772, 0.1822



21.7895, 0.2433, 0.1408

Rectangle

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



21.7895, 0.6203, 0.3457



21.7895, 0.4742, 0.5258



21.7895, 0.0772, 0.1822



21.7895, 0.1189, 0.1188

Sweetspot

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



21.7910, 0.6203, 0.3457



62.9724, 0.3758, 0.3451



23.7995, 0.3746, 0.1837



12.5944, 0.3878, 0.3475



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.



21.7910, 0.6203, 0.3457



23.6168, 0.6205, 0.3455



47.6238, 0.4903, 0.4489



17.0178, 0.3289, 0.3338



11.7897, 0.6178, 0.3476



1.1749, 0.5949, 0.3658

Inverse Universe

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



46.5392, 0.2062, 0.2624



50.4651, 0.2062, 0.2623



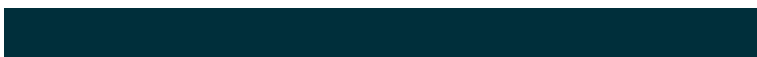
12.0857, 0.1613, 0.1008



18.1632, 0.2980, 0.3242



25.0500, 0.2066, 0.2636



2.3411, 0.2091, 0.2727

Previews

White Background



This preview shows how the Yxy color 21.7895, 0.6203, 0.3457 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 21.7895, 0.6203, 0.3457 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 21.7895, 0.6203, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 21.7895, 0.6203, 0.3457.



This preview shows how white text looks on a background with the Yxy color 21.7895, 0.6203, 0.3457.

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

21.7895, 0.6203, 0.3457

Protanopia

21.8090, 0.4304, 0.4753

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.7363, 0.5997, 0.3304

Trichromacy



Original Color

21.7895, 0.6203, 0.3457

Protanomaly

19.1031, 0.5202, 0.4148

Deuteranomaly

19.7032, 0.5419, 0.4079

Tritanomaly

21.7146, 0.6109, 0.3380

Monochromacy



Original Color

21.7895, 0.6203, 0.3457

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.4382, 0.4634, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7895, 0.6203, 0.3457 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(246, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 49, 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(246, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 49, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7895, 0.6203, 0.3457 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(246, 49, 0) }
```

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

```
.border{ border-color:rgb(246, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 49, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7895, 0.6203, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 49, 0) }
```

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

```
.background{ background-color: rgb(246, 49,  
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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