

Converting Colors

$Y_{xy}(21.2853, 0.6226, 0.3438)$

Have a look what the booklet for
Yxy(21.2853, 0.6226, 0.3438)
contains.

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Color

Yxy(21.2892, 0.6229, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	F52D00
RGB	245, 45, 0
RGB Percent	96%, 18%, 0%
CMY	0.0392, 0.8234, 0.9999
CMYK	0.00, 0.82, 1.00, 0.04
HSL	11°, 100%, 48%
HSV	11°, 100%, 96%
XYZ	38.5944, 21.2892, 2.0756
YIQ	99.6700, 133.6450, 28.4050

Conversions

Conversions Part 2

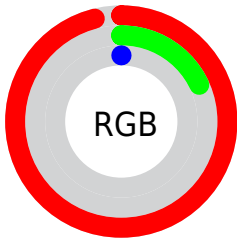
Format	Color
RYB	245, 55, 0
Decimal	16067840
CIELab	53.26, 71.70, 65.99
CIElCh	53, 97.448, 42.628
Yxy	21.2892, 0.6229, 0.3436
Android (android.graphics.Color)	4294257920 (0xFFFF52D00)
YUV	99.6700, -49.1373, 127.4544
Hunter-Lab	46.1402, 68.5626, 29.6310

Details

The Yxy color **21.2892, 0.6229, 0.3436** 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 **47.9010, 0.2078, 0.2680**, and the grayscale version is **12.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9551, 0.5375, 0.3711**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2891, 0.6229, 0.3436**, and if you desaturate by 10%, it is **23.2632, 0.5993, 0.3510**.

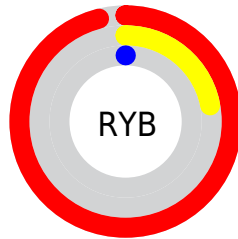
Distribution



Red (96%)

Green (18%)

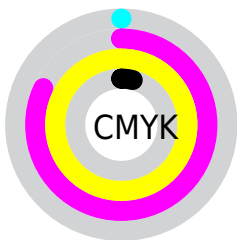
Blue (0%)



Red (96%)

Yellow (22%)

Blue (0%)

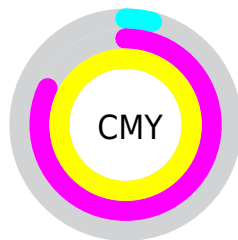


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2892, 0.6229, 0.3436 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 21.2892, 0.6229, 0.3436 by changing the saturation by 10% instead.


 21.2892, 0.6229,
0.3436


 21.2892, 0.6229,
0.3436


 258.8115, 0.4643,
0.3626


 13.3356, 0.6564,
0.3288


 45.5683, 0.5688,
0.3584

 7.6600, 0.6946,
0.3054


 62.6626, 0.5471,
0.3616

 3.8782, 0.7328,
0.2672

 83.5726, 0.5282,
0.3633

 1.6057, 0.7857,
0.2143

 108.6827, 0.5119,
0.3640

 0.3614, 0.8863,
0.1137

 138.3772, 0.4976,
0.3641

 0.0000, 1.0000,
0.0000

 173.0406, 0.4851,


 0.0000, 0.0000,

0.3638

0.0000


 213.0572, 0.4741,
0.3633

 21.2892, 0.6229,
0.3436

 21.2892, 0.6229,
0.3436

 21.2891, 0.6229,
0.3436

 23.2632, 0.5993,
0.3510

 26.1342, 0.5651,
0.3562

 30.0072, 0.5242,
0.3581

 34.9663, 0.4817,
0.3569

 41.0866, 0.4416,
0.3535

■ 48.4361, 0.4062,
0.3489

■ 57.0775, 0.3759,
0.3438

■ 67.0693, 0.3507,
0.3387

■ 78.4664, 0.3299,
0.3337

Harmonies

Analogous

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



21.2892, 0.5760, 0.2644



21.2892, 0.6229, 0.3436



21.2892, 0.5568, 0.4432

Triad

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



21.2892, 0.6229, 0.3436



21.2892, 0.1741, 0.5614



21.2892, 0.1378, 0.1179

Complementary

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



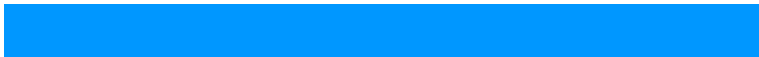
21.2892, 0.6229, 0.3436



47.9010, 0.2078, 0.2680

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.



21.2892, 0.0893, 0.1278



21.2892, 0.6229, 0.3436



21.2892, 0.0976, 0.3244

Square

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



21.2892, 0.6229, 0.3436



21.2892, 0.2958, 0.6585



21.2892, 0.0759, 0.1821



21.2892, 0.2405, 0.1390

Rectangle

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



21.2892, 0.6229, 0.3436



21.2892, 0.4760, 0.5240



21.2892, 0.0759, 0.1821



21.2892, 0.1168, 0.1176

Sweetspot

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



21.2905, 0.6229, 0.3436



62.4366, 0.3762, 0.3439



23.5868, 0.3746, 0.1837



12.4712, 0.3883, 0.3461



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.



21.2905, 0.6229, 0.3436



23.2802, 0.6232, 0.3434



47.2047, 0.4903, 0.4489



16.9748, 0.3289, 0.3334



11.6130, 0.6206, 0.3454



1.1533, 0.5983, 0.3632

Inverse Universe

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



47.9010, 0.2078, 0.2680



52.4099, 0.2078, 0.2679



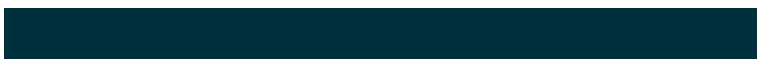
11.9844, 0.1614, 0.1008



18.2098, 0.2980, 0.3245



25.9941, 0.2081, 0.2691



2.4160, 0.2104, 0.2774

Previews

White Background



This preview shows how the Yxy color 21.2892, 0.6229, 0.3436 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 21.2892, 0.6229, 0.3436 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 21.2892, 0.6229, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 21.2892, 0.6229, 0.3436.



This preview shows how white text looks on a background with the Yxy color 21.2892, 0.6229, 0.3436.

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

21.2892, 0.6229, 0.3436

Protanopia

21.4614, 0.4298, 0.4742

Deuteranopia

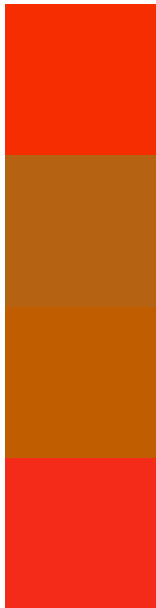
21.2518, 0.4707, 0.4645



Tritanopia

21.2285, 0.6051, 0.3304

Trichromacy



Original Color

21.2892, 0.6229, 0.3436

Protanomaly

18.6061, 0.5218, 0.4124

Deuteranomaly

19.0352, 0.5457, 0.4049

Tritanomaly

21.2148, 0.6148, 0.3370

Monochromacy



Original Color

21.2892, 0.6229, 0.3436

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8798, 0.4670, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2892, 0.6229, 0.3436 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(245, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 45, 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(245, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2892, 0.6229, 0.3436 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(245, 45, 0) }
```

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

```
.border{ border-color:rgb(245, 45, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 45, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2892, 0.6229, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 45, 0) }
```

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

```
.background{ background-color: rgb(245, 45,  
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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