

Converting Colors

$Y_{xy}(21.7053, 0.6233, 0.3433)$

Have a look what the booklet for
Yxy(21.7053, 0.6233, 0.3433)
contains.

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Color

Yxy(21.6509, 0.6232, 0.3434)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F72D00 |
| RGB | 247, 45, 0 |
| RGB Percent | 97%, 18%, 0% |
| CMY | 0.0314, 0.8233, 1.0000 |
| CMYK | 0.00, 0.82, 1.00, 0.03 |
| HSL | 11°, 100%, 48% |
| HSV | 11°, 100%, 97% |
| XYZ | 39.2919, 21.6509, 2.1058 |
| YIQ | 100.2680, 134.8370, 28.8290 |

Conversions

Conversions Part 2

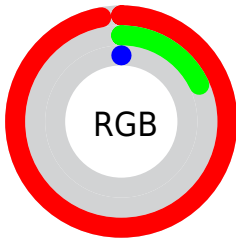
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 247, 55, 0 |
| Decimal | 16198912 |
| CIELab | 53.65, 72.23, 66.41 |
| CIElCh | 54, 98.123, 42.594 |
| Yxy | 21.6509, 0.6232, 0.3434 |
| Android (android.graphics.Color) | 4294388992 (0xFFFF72D00) |
| YUV | 100.2680, -49.4321, 128.6840 |
| Hunter-Lab | 46.5305, 69.3028, 29.8881 |

Details

The Yxy color **21.6509, 0.6232, 0.3434** 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 **48.9213, 0.2079, 0.2684**, and the grayscale version is **12.9267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9551, 0.5375, 0.3711**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6524, 0.6232, 0.3434**, and if you desaturate by 10%, it is **23.6495, 0.5997, 0.3508**.

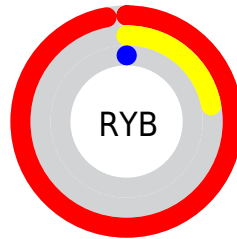
Distribution



Red (97%)

Green (18%)

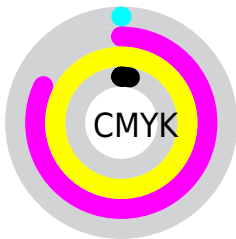
Blue (0%)



Red (97%)

Yellow (22%)

Blue (0%)

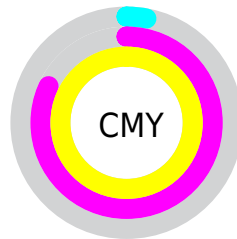


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6509, 0.6232, 0.3434 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 21.6509, 0.6232, 0.3434 by changing the saturation by 10% instead.


 21.6509, 0.6232,
0.3434

 21.6509, 0.6232,
0.3434


 260.7177, 0.4650,
0.3626


 13.6006, 0.6564,
0.3286


 46.1683, 0.5694,
0.3583


 7.8434, 0.6946,
0.3054


 63.4043, 0.5477,
0.3615

 3.9949, 0.7324,
0.2676

 84.4709, 0.5289,
0.3632

 1.6707, 0.7847,
0.2153

 109.7525, 0.5125,
0.3639

 0.4046, 0.8790,
0.1210

 139.6337, 0.4983,
0.3640


 0.0000, 1.0000,
0.0000

 174.4986, 0.4858,


 0.0000, 0.0000,


0.3638

0.0000


 214.7319, 0.4747,
0.3633

 21.6509, 0.6232,
0.3434


 21.6509, 0.6232,
0.3434

 21.6524, 0.6232,
0.3434

 23.6495, 0.5997,
0.3508

 26.5633, 0.5656,
0.3560

 30.5000, 0.5245,
0.3578

 35.5460, 0.4820,
0.3567

 41.7779, 0.4419,
0.3534

■ 49.2655, 0.4063,
0.3488

■ 58.0733, 0.3760,
0.3437

■ 68.2610, 0.3508,
0.3386

■ 79.8848, 0.3299,
0.3336

Harmonies

Analogous

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



21.6509, 0.5761, 0.2642



21.6509, 0.6232, 0.3434



21.6509, 0.5570, 0.4430

Triad

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



21.6509, 0.6232, 0.3434



21.6509, 0.1741, 0.5620



21.6509, 0.1376, 0.1178

Complementary

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



21.6509, 0.6232, 0.3434



48.9213, 0.2079, 0.2684

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.



21.6509, 0.0891, 0.1276



21.6509, 0.6232, 0.3434



21.6509, 0.0975, 0.3246

Square

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



21.6509, 0.6232, 0.3434



21.6509, 0.2958, 0.6588



21.6509, 0.0758, 0.1820



21.6509, 0.2403, 0.1388

Rectangle

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



21.6509, 0.6232, 0.3434



21.6509, 0.4761, 0.5239



21.6509, 0.0758, 0.1820



21.6509, 0.1166, 0.1174

Sweetspot

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



21.6524, 0.6232, 0.3434



62.3942, 0.3762, 0.3438



24.2188, 0.3691, 0.1807



12.4615, 0.3883, 0.3459



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.



21.6524, 0.6232, 0.3434



23.2548, 0.6234, 0.3432



46.5577, 0.4949, 0.4453



16.9714, 0.3289, 0.3334



11.5996, 0.6208, 0.3453



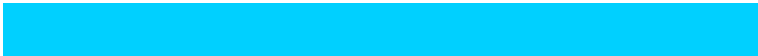
1.1517, 0.5985, 0.3629

Inverse Universe

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



48.9213, 0.2079, 0.2684



52.5665, 0.2079, 0.2683



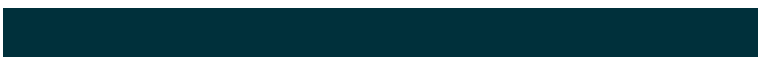
12.7986, 0.1625, 0.1049



18.2135, 0.2980, 0.3246



26.0700, 0.2082, 0.2696



2.4220, 0.2105, 0.2778

Previews

White Background



This preview shows how the Yxy color 21.6509, 0.6232, 0.3434 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 21.6509, 0.6232, 0.3434 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 21.6509, 0.6232, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 21.6509, 0.6232, 0.3434.



This preview shows how white text looks on a background with the Yxy color 21.6509, 0.6232, 0.3434.

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

21.6509, 0.6232, 0.3434

Protanopia

21.8140, 0.4299, 0.4745

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5902, 0.6057, 0.3304

Trichromacy



Original Color

21.6509, 0.6232, 0.3434

Protanomaly

18.7275, 0.5228, 0.4118

Deuteranomaly

19.3429, 0.5450, 0.4055

Tritanomaly

21.5765, 0.6153, 0.3369

Monochromacy



Original Color

21.6509, 0.6232, 0.3434

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 21.6509, 0.6232, 0.3434 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, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6509, 0.6232, 0.3434 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, 45, 0) }
```

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

```
.border{ border-color:rgb(247, 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(247, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6509, 0.6232, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 45, 0) }
```

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

```
.background{ background-color: rgb(247, 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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