

Converting Colors

$Yxy(21.7850, 0.6139, 0.3507)$

Have a look what the booklet for
Yxy(21.7850, 0.6139, 0.3507)
contains.

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Color

Yxy(21.7056, 0.6142, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	F23800
RGB	242, 56, 0
RGB Percent	95%, 22%, 0%
CMY	0.0509, 0.7804, 0.9998
CMYK	0.00, 0.77, 1.00, 0.05
HSL	14°, 100%, 47%
HSV	14°, 100%, 95%
XYZ	38.0359, 21.7056, 2.1860
YIQ	105.2300, 128.8320, 22.0160

Conversions

Conversions Part 2

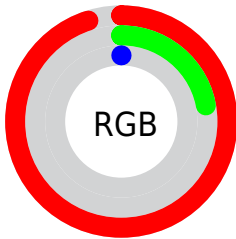
Format	Color
R_{YB}	242, 73, 0
Decimal	15874048
CIE _{Lab}	53.71, 67.97, 65.84
CIE _{LCh}	54, 94.628, 44.087
Yxy	21.7056, 0.6142, 0.3505
Android (android.graphics.Color)	4294064128 (0xFFFF23800)
YUV	105.2300, -51.8784, 119.9473
Hunter-Lab	46.5893, 64.1978, 29.8305

Details

The Yxy color **21.7056, 0.6142, 0.3505** 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 **41.5580, 0.2031, 0.2512**, and the grayscale version is **14.3099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3195, 0.5309, 0.3761**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7036, 0.6142, 0.3505**, and if you desaturate by 10%, it is **23.9239, 0.5895, 0.3591**.

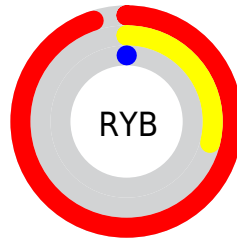
Distribution



Red (95%)

Green (22%)

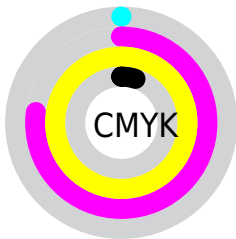
Blue (0%)



Red (95%)

Yellow (29%)

Blue (0%)

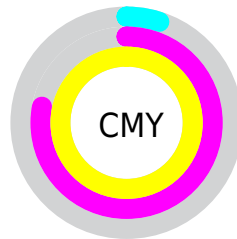


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7056, 0.6142, 0.3505 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 21.7056, 0.6142, 0.3505 by changing the saturation by 10% instead.


 21.7056, 0.6142,
0.3505


 21.7056, 0.6142,
0.3505


261.0050, 0.4600,
0.3649

 13.6407, 0.6467,
0.3369

 46.2589, 0.5615,
0.3635


 7.8712, 0.6848,
0.3152


 63.5162, 0.5404,
0.3660


 4.0127, 0.7216,
0.2784

 84.6064, 0.5221,
0.3671

 1.6806, 0.7732,
0.2268

 109.9139, 0.5062,
0.3674

 0.4111, 0.8687,
0.1313

 139.8231, 0.4924,
0.3672


 0.0000, 1.0000,
0.0000


 174.7184, 0.4802,

 0.0000, 0.0000,


0.3666


0.0000

 214.9842, 0.4695,
0.3658


 21.7056, 0.6142,
0.3505


 21.7056, 0.6142,
0.3505


 21.7036, 0.6142,
0.3505

 23.9239, 0.5895,
0.3591

 26.9606, 0.5558,
0.3646

 30.9015, 0.5164,
0.3661

 35.8149, 0.4760,
0.3642

 41.7617, 0.4379,
0.3598

■ 48.7980, 0.4039,
0.3540

■ 56.9755, 0.3748,
0.3476

■ 66.3427, 0.3502,
0.3411

■ 76.9450, 0.3297,
0.3348

Harmonies

Analogous

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



21.7056, 0.5731, 0.2710



21.7056, 0.6142, 0.3505



21.7056, 0.5480, 0.4497

Triad

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



21.7056, 0.6142, 0.3505



21.7056, 0.1744, 0.5414



21.7056, 0.1454, 0.1226

Complementary

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



21.7056, 0.6142, 0.3505



41.5580, 0.2031, 0.2512

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.



21.7056, 0.0950, 0.1310



21.7056, 0.6142, 0.3505



21.7056, 0.1008, 0.3164

Square

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



21.7056, 0.6142, 0.3505



21.7056, 0.2935, 0.6485



21.7056, 0.0804, 0.1826



21.7056, 0.2496, 0.1449

Rectangle

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



21.7056, 0.6142, 0.3505



21.7056, 0.4703, 0.5297



21.7056, 0.0804, 0.1826



21.7056, 0.1237, 0.1218

Sweetspot

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



21.7069, 0.6142, 0.3505



64.0590, 0.3750, 0.3476



22.5802, 0.3859, 0.1900



12.8448, 0.3868, 0.3504



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.



21.7069, 0.6142, 0.3505



24.3837, 0.6146, 0.3502



48.9416, 0.4813, 0.4560



16.3518, 0.3287, 0.3345



11.8291, 0.6116, 0.3526



1.1307, 0.5865, 0.3725

Inverse Universe

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



41.5580, 0.2031, 0.2512



46.7186, 0.2031, 0.2510



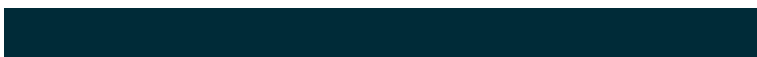
10.6192, 0.1593, 0.0933



17.2731, 0.2981, 0.3234



22.5379, 0.2035, 0.2526



2.0237, 0.2066, 0.2638

Previews

White Background



This preview shows how the Yxy color 21.7056, 0.6142, 0.3505 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 21.7056, 0.6142, 0.3505 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 21.7056, 0.6142, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 21.7056, 0.6142, 0.3505.



This preview shows how white text looks on a background with the Yxy color 21.7056, 0.6142, 0.3505.

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

21.7056, 0.6142, 0.3505

Protanopia

21.8041, 0.4309, 0.4760

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.7677, 0.5873, 0.3292

Trichromacy



Original Color

21.7056, 0.6142, 0.3505

Protanomaly

19.2497, 0.5152, 0.4187

Deuteranomaly

19.8117, 0.5372, 0.4117

Tritanomaly

21.7164, 0.6027, 0.3398

Monochromacy



Original Color

21.7056, 0.6142, 0.3505

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.1902, 0.4572, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7056, 0.6142, 0.3505 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(242, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 56, 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(242, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 56, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7056, 0.6142, 0.3505 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(242, 56, 0) }
```

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

```
.border{ border-color:rgb(242, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 56, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7056, 0.6142, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 56, 0) }
```

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

```
.background{ background-color: rgb(242, 56,  
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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