

Converting Colors

$Y_{xy}(22.2875, 0.6184, 0.3471)$

Have a look what the booklet for
Yxy(22.2875, 0.6184, 0.3471)
contains.

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Color

Yxy(22.2301, 0.6183, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	F73400
RGB	247, 52, 0
RGB Percent	97%, 20%, 0%
CMY	0.0314, 0.7961, 0.9994
CMYK	0.00, 0.79, 1.00, 0.03
HSL	13°, 100%, 48%
HSV	13°, 100%, 97%
XYZ	39.5878, 22.2301, 2.2089
YIQ	104.3770, 132.9120, 25.1680

Conversions

Conversions Part 2

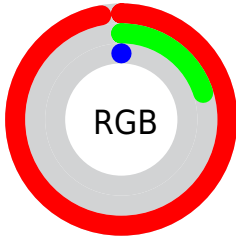
Format	Color
R_{YB}	247, 66, 0
Decimal	16200704
CIE _{Lab}	54.27, 70.51, 66.61
CIE _{LCh}	54, 96.999, 43.369
Yxy	22.2301, 0.6183, 0.3472
Android (android.graphics.Color)	4294390784 (0xFFFF73400)
YUV	104.3770, -51.4579, 125.0804
Hunter-Lab	47.1488, 67.3643, 30.2264

Details

The Yxy color **22.2301, 0.6183, 0.3472** 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 **45.8204, 0.2052, 0.2587**, and the grayscale version is **14.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8584, 0.5329, 0.3742**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.2197, 0.6184, 0.3472**, and if you desaturate by 10%, it is **24.4168, 0.5941, 0.3554**.

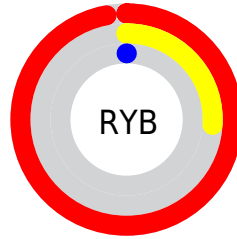
Distribution



Red (97%)

Green (20%)

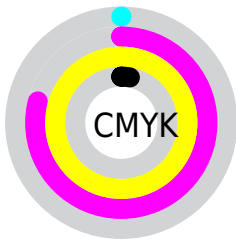
Blue (0%)



Red (97%)

Yellow (26%)

Blue (0%)

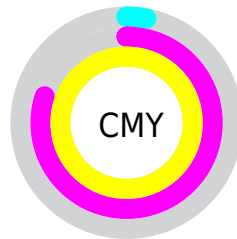


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2301, 0.6183, 0.3472 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 22.2301, 0.6183, 0.3472 by changing the saturation by 10% instead.


 22.2301, 0.6183,
0.3472


 22.2301, 0.6183,
0.3472


263.7456, 0.4629,
0.3639


 14.0261, 0.6507,
0.3331


 47.1260, 0.5655,
0.3610


 8.1388, 0.6888,
0.3112

 64.5867, 0.5442,
0.3638

 4.1839, 0.7255,
0.2745

 85.9017, 0.5257,
0.3652

 1.7770, 0.7765,
0.2235

 111.4554, 0.5097,
0.3658

 0.4727, 0.8636,
0.1364

 141.6323, 0.4957,
0.3657


 0.0000, 1.0000,
0.0000


 176.8167, 0.4834,


 0.0000, 0.0000,


0.3653

0.0000


 217.3930, 0.4726,
0.3647


 22.2301, 0.6183,
0.3472


 22.2301, 0.6183,
0.3472

 22.2197, 0.6184,
0.3472

 24.4168, 0.5941,
0.3554

 27.4885, 0.5601,
0.3608

 31.5420, 0.5199,
0.3625

 36.6549, 0.4785,
0.3609

 42.8966, 0.4395,
0.3570

■ 50.3305, 0.4049,
0.3517

■ 59.0151, 0.3752,
0.3459

■ 69.0050, 0.3503,
0.3400

■ 80.3515, 0.3297,
0.3343

Harmonies

Analogous

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



22.2301, 0.5744, 0.2678



22.2301, 0.6183, 0.3472



22.2301, 0.5524, 0.4467

Triad

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



22.2301, 0.6183, 0.3472



22.2301, 0.1744, 0.5509



22.2301, 0.1418, 0.1204

Complementary

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



22.2301, 0.6183, 0.3472



45.8204, 0.2052, 0.2587

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.



22.2301, 0.0923, 0.1295



22.2301, 0.6183, 0.3472



22.2301, 0.0993, 0.3203

Square

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



22.2301, 0.6183, 0.3472



22.2301, 0.2948, 0.6533



22.2301, 0.0783, 0.1824



22.2301, 0.2452, 0.1421

Rectangle

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



22.2301, 0.6183, 0.3472



22.2301, 0.4731, 0.5269



22.2301, 0.0783, 0.1824



22.2301, 0.1204, 0.1198

Sweetspot

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



22.2315, 0.6183, 0.3472



63.3305, 0.3755, 0.3460



23.8389, 0.3802, 0.1868



12.6768, 0.3875, 0.3485



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.



22.2315, 0.6183, 0.3472



23.8570, 0.6187, 0.3470



49.6439, 0.4857, 0.4525



17.0463, 0.3288, 0.3340



11.9151, 0.6159, 0.3492



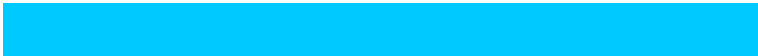
1.1899, 0.5927, 0.3676

Inverse Universe

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



45.8204, 0.2052, 0.2587



49.2018, 0.2052, 0.2586



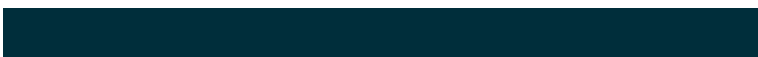
11.6430, 0.1603, 0.0969



18.1323, 0.2980, 0.3239



24.4364, 0.2056, 0.2600



2.2922, 0.2082, 0.2696

Previews

White Background



This preview shows how the Yxy color 22.2301, 0.6183, 0.3472 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 22.2301, 0.6183, 0.3472 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 22.2301, 0.6183, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 22.2301, 0.6183, 0.3472.



This preview shows how white text looks on a background with the Yxy color 22.2301, 0.6183, 0.3472.

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

22.2301, 0.6183, 0.3472

Protanopia

22.5244, 0.4304, 0.4759

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.3748, 0.5950, 0.3298

Trichromacy



Original Color

22.2301, 0.6183, 0.3472

Protanomaly

19.6170, 0.5176, 0.4162

Deuteranomaly

20.2047, 0.5397, 0.4097

Tritanomaly

22.3366, 0.6082, 0.3388

Monochromacy



Original Color

22.2301, 0.6183, 0.3472

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.9583, 0.4624, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2301, 0.6183, 0.3472 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, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 52, 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, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 52, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.2301, 0.6183, 0.3472 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, 52, 0) }
```

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

```
.border{ border-color:rgb(247, 52, 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, 52, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 52, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2301, 0.6183, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 52, 0) }
```

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

```
.background{ background-color: rgb(247, 52,  
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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