

Converting Colors

$Y_{xy}(22.2203, 0.5619, 0.3670)$

Have a look what the booklet for
Yxy(22.2203, 0.5619, 0.3670)
contains.

Yxy(22.1686, 0.5617, 0.3668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.1686, 0.5617, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	DF5426
RGB	223, 84, 38
RGB Percent	87%, 33%, 15%
CMY	0.1256, 0.6705, 0.8511
CMYK	0.00, 0.62, 0.83, 0.13
HSL	15°, 74%, 51%
HSV	15°, 83%, 87%
XYZ	33.9479, 22.1686, 4.3213
YIQ	120.3170, 97.6100, 15.1620

Conversions

Conversions Part 2

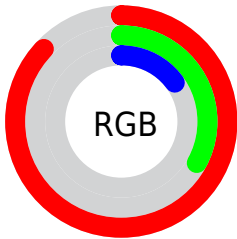
Format	Color
R_{YB}	223, 99, 38
Decimal	14636070
CIE _{Lab}	54.21, 52.15, 52.82
CIE _{LCh}	54, 74.226, 45.370
Yxy	22.1686, 0.5617, 0.3668
Android (android.graphics.Color)	4292826150 (0xFFDF5426)
YUV	120.3170, -40.5823, 90.0530
Hunter-Lab	47.0835, 46.3050, 27.5169

Details

The Yxy color **22.1686, 0.5617, 0.3668** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **37.1574, 0.2095, 0.2610**, and the grayscale version is **19.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4134, 0.4893, 0.3789**, and **8.1688, 0.6235, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **19.7693, 0.5929, 0.3602**, and if you desaturate by 10%, it is **25.2781, 0.5241, 0.3692**.

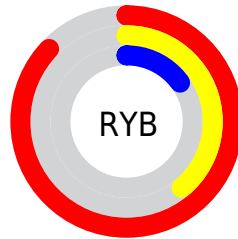
Distribution



Red (87%)

Green (33%)

Blue (15%)



Red (87%)

Yellow (39%)

Blue (15%)

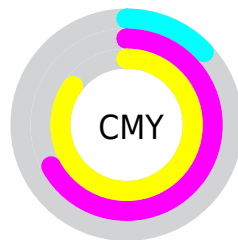


Cyan (0%)

Magenta (62%)

Yellow (83%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1686, 0.5617, 0.3668 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 22.1686, 0.5617, 0.3668 by changing the saturation by 10% instead.


 22.1686, 0.5617,
0.3668

 22.1686, 0.5617,
0.3668


263.4255, 0.4287,
0.3625


 13.9808, 0.5932,
0.3603


 47.0245, 0.5135,
0.3704

 8.1073, 0.6330,
0.3485


 64.4614, 0.4951,
0.3701

 4.1637, 0.6766,
0.3234

 85.7502, 0.4796,
0.3692

 1.7656, 0.7231,
0.2769

 111.2752, 0.4663,
0.3680

 0.4656, 0.8151,
0.1849

 141.4208, 0.4549,
0.3666

 0.0000, 1.0000,
0.0000

 176.5715, 0.4450,

 0.0000, 0.0000,

0.3652

0.0000

217.1116, 0.4363,
0.3639

■ 22.1686, 0.5617,
0.3668

■ 22.1686, 0.5617,
0.3668

■ 19.7693, 0.5929,
0.3602

■ 25.2781, 0.5241,
0.3692

■ 18.4658, 0.6099,
0.3540

■ 29.1480, 0.4845,
0.3678

■ 33.8278, 0.4464,
0.3636

■ 39.3615, 0.4120,
0.3577

■ 45.7897, 0.3820,
0.3509

■ 53.1506, 0.3566,
0.3440

■ 61.4798, 0.3352,
0.3372

■ 70.8112, 0.3174,
0.3308

■ 81.1770, 0.3026,
0.3249

Harmonies

Analogous

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



22.1686, 0.5229, 0.2910



22.1686, 0.5617, 0.3668



22.1686, 0.5147, 0.4522

Triad

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



22.1686, 0.5617, 0.3668



22.1686, 0.2028, 0.4810



22.1686, 0.1757, 0.1530

Complementary

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



22.1686, 0.5617, 0.3668



37.1574, 0.2095, 0.2610

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.



22.1686, 0.1268, 0.1616



22.1686, 0.5617, 0.3668



22.1686, 0.1350, 0.3191

Square

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



22.1686, 0.5617, 0.3668



22.1686, 0.3080, 0.5762



22.1686, 0.1131, 0.2098



22.1686, 0.2688, 0.1745

Rectangle

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



22.1686, 0.5617, 0.3668



22.1686, 0.4544, 0.5126



22.1686, 0.1131, 0.2098



22.1686, 0.1550, 0.1523

Sweetspot

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



22.1699, 0.5617, 0.3668



69.7152, 0.3619, 0.3455



20.3580, 0.3760, 0.1946



14.1562, 0.3707, 0.3480



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.



22.1699, 0.5617, 0.3668



24.8673, 0.6110, 0.3530



45.9620, 0.4580, 0.4592



14.2520, 0.3286, 0.3349



11.0104, 0.6073, 0.3560



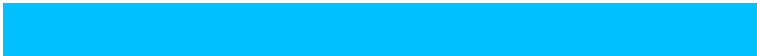
0.9038, 0.5771, 0.3800

Inverse Universe

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



37.1574, 0.2095, 0.2610



44.7132, 0.2013, 0.2446



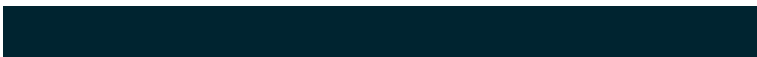
12.6055, 0.1730, 0.1242



14.9642, 0.2982, 0.3230



19.6774, 0.2019, 0.2466



1.5027, 0.2058, 0.2608

Previews

White Background



This preview shows how the Yxy color 22.1686, 0.5617, 0.3668 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 22.1686, 0.5617, 0.3668 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 22.1686, 0.5617, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 22.1686, 0.5617, 0.3668.



This preview shows how white text looks on a background with the Yxy color 22.1686, 0.5617, 0.3668.

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

22.1686, 0.5617, 0.3668

Protanopia

22.2153, 0.4156, 0.4563

Deuteranopia

22.1164, 0.4648, 0.4561



Tritanopia

22.2396, 0.5175, 0.3247

Trichromacy



Original Color

22.1686, 0.5617, 0.3668

Protanomaly

20.8917, 0.4736, 0.4187

Deuteranomaly

21.3354, 0.5048, 0.4193

Tritanomaly

22.1374, 0.5372, 0.3427

Monochromacy



Original Color

22.1686, 0.5617, 0.3668

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4217, 0.4075, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1686, 0.5617, 0.3668 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(223, 84, 38)` looks like.

```
.text, #text, p{  
    color:rgb(223, 84, 38)  
}
```

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(223, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 84, 38) }
```

Border

The CSS property to change the border of an element to Yxy 22.1686, 0.5617, 0.3668 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(223, 84, 38) }
```

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

```
.border{ border-color:rgb(223, 84, 38) }
```

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

Here you see how a box with a 4 pixel rgb(223, 84, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(223, 84,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1686, 0.5617, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 84, 38) }
```

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

```
.background{ background-color: rgb(223, 84,  
38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor