

Converting Colors

$Y_{xy}(25.5065, 0.5825, 0.3663)$

Have a look what the booklet for
Yxy(25.5065, 0.5825, 0.3663)
contains.

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Color

$Yxy(25.4775, 0.5829, 0.3662)$

Conversions

Conversions Part 1

Format	Color
Hex	F45316
RGB	244, 83, 22
RGB Percent	96%, 33%, 9%
CMY	0.0430, 0.6746, 0.9136
CMYK	0.00, 0.66, 0.91, 0.04
HSL	16°, 91%, 52%
HSV	16°, 91%, 96%
XYZ	40.5539, 25.4775, 3.5412
YIQ	124.1850, 115.5370, 15.1610

Conversions

Conversions Part 2

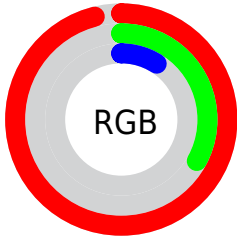
Format	Color
R_{YB}	244, 106, 22
Decimal	16012054
CIE _{Lab}	57.54, 59.44, 62.95
CIE _{LCh}	58, 86.580, 46.641
Yxy	25.4775, 0.5829, 0.3662
Android (android.graphics.Color)	4294202134 (0xFFFF45316)
YUV	124.1850, -50.3772, 105.0778
Hunter-Lab	50.4752, 55.0826, 31.1730

Details

The Yxy color **25.4775, 0.5829, 0.3662** 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 **40.6096, 0.2026, 0.2448**, and the grayscale version is **20.3626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2470, 0.4983, 0.3874**, and **9.8978, 0.6341, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **23.2506, 0.6051, 0.3578**, and if you desaturate by 10%, it is **28.6842, 0.5508, 0.3722**.

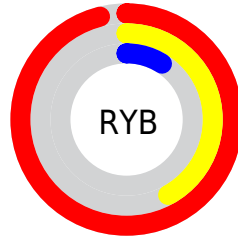
Distribution



Red (96%)

Green (33%)

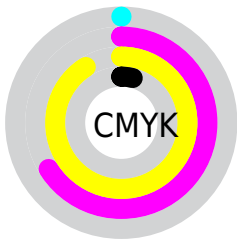
Blue (9%)



Red (96%)

Yellow (42%)

Blue (9%)

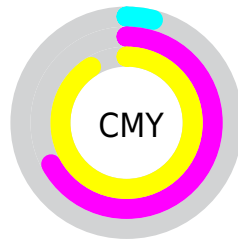


Cyan (0%)

Magenta (66%)

Yellow (91%)

Black (4%)



Cyan (4%)


Magenta (67%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4775, 0.5829, 0.3662 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 25.4775, 0.5829, 0.3662 by changing the saturation by 10% instead.


 25.4775, 0.5829,
0.3662


 25.4775, 0.5829,
0.3662


280.2076, 0.4452,
0.3674


 16.4332, 0.6125,
0.3575


 52.4308, 0.5353,
0.3728


 9.8312, 0.6512,
0.3445


 71.1086, 0.5164,
0.3733

 5.2872, 0.6845,
0.3155

 93.7663, 0.5001,
0.3731

 2.4167, 0.7276,
0.2724

 120.7883, 0.4860,
0.3723

 0.8345, 0.7915,
0.2085

 152.5591, 0.4738,
0.3712

 0.0000, 1.0000,
0.0000

 189.4630, 0.4630,

 0.0000, 0.0000,


0.3700


0.0000

 231.8843, 0.4536,
0.3687


 25.4775, 0.5829,
0.3662


 25.4775, 0.5829,
0.3662


 23.2506, 0.6051,
0.3578

 28.6842, 0.5508,
0.3722

 32.7387, 0.5134,
0.3737

 37.7022, 0.4748,
0.3713

 43.6287, 0.4381,
0.3661

 50.5675, 0.4051,
0.3593

■ 58.5643, 0.3764,
0.3517

■ 67.6622, 0.3520,
0.3441

■ 77.9014, 0.3314,
0.3366

■ 89.3204, 0.3142,
0.3296

Harmonies

Analogous

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



25.4775, 0.5492, 0.2877



25.4775, 0.5829, 0.3662



25.4775, 0.5231, 0.4580

Triad

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



25.4775, 0.5829, 0.3662



25.4775, 0.1856, 0.4934



25.4775, 0.1673, 0.1404

Complementary

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



25.4775, 0.5829, 0.3662



40.6096, 0.2026, 0.2448

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.



25.4775, 0.1149, 0.1470



25.4775, 0.5829, 0.3662



25.4775, 0.1179, 0.3083

Square

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



25.4775, 0.5829, 0.3662



25.4775, 0.2961, 0.6052



25.4775, 0.0988, 0.1938



25.4775, 0.2689, 0.1643

Rectangle

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



25.4775, 0.5829, 0.3662



25.4775, 0.4545, 0.5265



25.4775, 0.0988, 0.1938



25.4775, 0.1451, 0.1391

Sweetspot

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



25.4790, 0.5829, 0.3662



68.4978, 0.3664, 0.3487



23.3091, 0.3944, 0.1983



13.9503, 0.3751, 0.3514



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.



25.4790, 0.5829, 0.3662



25.6400, 0.6055, 0.3575



57.0968, 0.4610, 0.4670



17.2227, 0.3287, 0.3356



12.8341, 0.6023, 0.3600



1.2927, 0.5780, 0.3793

Inverse Universe

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



40.6096, 0.2026, 0.2448



41.9191, 0.1987, 0.2353



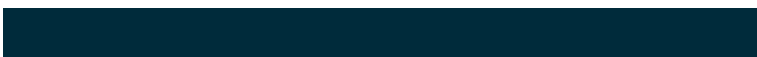
11.5804, 0.1625, 0.0985



17.9436, 0.2980, 0.3223



20.8940, 0.1992, 0.2372



2.0074, 0.2028, 0.2501

Previews

White Background



This preview shows how the Yxy color 25.4775, 0.5829, 0.3662 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 25.4775, 0.5829, 0.3662 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 25.4775, 0.5829, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 25.4775, 0.5829, 0.3662.



This preview shows how white text looks on a background with the Yxy color 25.4775, 0.5829, 0.3662.

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

25.4775, 0.5829, 0.3662

Protanopia

25.6605, 0.4282, 0.4724

Deuteranopia

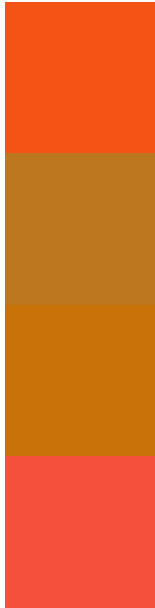
25.6165, 0.4704, 0.4647



Tritanopia

25.6508, 0.5375, 0.3263

Trichromacy



Original Color

25.4775, 0.5829, 0.3662

Protanomaly

23.9839, 0.4922, 0.4280

Deuteranomaly

24.3315, 0.5191, 0.4227

Tritanomaly

25.4760, 0.5599, 0.3451

Monochromacy



Original Color

25.4775, 0.5829, 0.3662

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9502, 0.4249, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4775, 0.5829, 0.3662 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(244, 83, 22)` looks like.

```
.text, #text, p{  
    color:rgb(244, 83, 22)  
}
```

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(244, 83, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 83, 22) }
```

Border

The CSS property to change the border of an element to Yxy 25.4775, 0.5829, 0.3662 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(244, 83, 22) }
```

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

```
.border{ border-color:rgb(244, 83, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 83, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 83, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 83, 22);  
box-shadow:4px 4px 4px 4px rgb(244, 83,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 25.4775, 0.5829, 0.3662$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 83, 22) }
```

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

```
.background{ background-color: rgb(244, 83,  
22) }
```

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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