

Converting Colors

$Y_{xy}(23.2441, 0.5782, 0.3670)$

Have a look what the booklet for
Yxy(23.2441, 0.5782, 0.3670)
contains.

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Color

Yxy(23.2787, 0.5785, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	E95119
RGB	233, 81, 25
RGB Percent	91%, 32%, 10%
CMY	0.0863, 0.6823, 0.9019
CMYK	0.00, 0.65, 0.89, 0.09
HSL	16°, 83%, 51%
HSV	16°, 89%, 91%
XYZ	36.7241, 23.2787, 3.4788
YIQ	120.0640, 108.5680, 14.8080

Conversions

Conversions Part 2

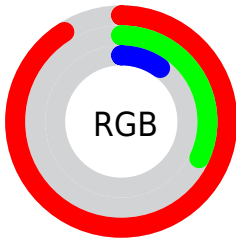
Format	Color
R_{YB}	233, 102, 25
Decimal	15290649
CIE _{Lab}	55.36, 56.59, 59.57
CIE _{LCh}	55, 82.166, 46.467
Yxy	23.2787, 0.5785, 0.3667
Android (android.graphics.Color)	4293480729 (0xFFE95119)
YUV	120.0640, -46.8666, 99.0449
Hunter-Lab	48.2480, 51.4318, 29.4987

Details

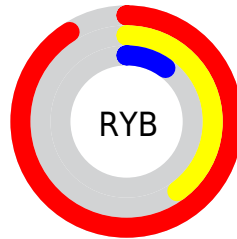
The Yxy color **23.2787, 0.5785, 0.3667** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **37.5476, 0.2041, 0.2485**, and the grayscale version is **18.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6871, 0.4994, 0.3846**, and **8.7767, 0.6327, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **20.9921, 0.6042, 0.3578**, and if you desaturate by 10%, it is **26.2820, 0.5450, 0.3719**.

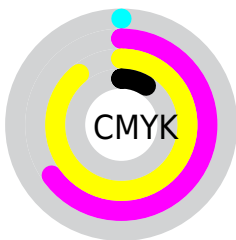
Distribution



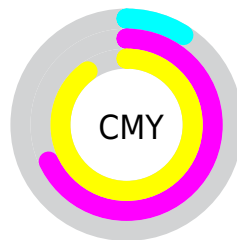
- Red (91%)
- Green (32%)
- Blue (10%)



- Red (91%)
- Yellow (40%)
- Blue (10%)



- Cyan (0%)
- Magenta (65%)
- Yellow (89%)
- Black (9%)




- Cyan (9%)
- Magenta (68%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2787, 0.5785, 0.3667 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 23.2787, 0.5785, 0.3667 by changing the saturation by 10% instead.


 23.2787, 0.5785,
0.3667


 23.2787, 0.5785,
0.3667


269.1532, 0.4402,
0.3663


 14.7994, 0.6092,
0.3583


 48.8505, 0.5298,
0.3726


 8.6787, 0.6504,
0.3457


 66.7119, 0.5108,
0.3729


 4.5322, 0.6849,
0.3151

 88.4694, 0.4945,
0.3724

 1.9755, 0.7308,
0.2692

 114.5075, 0.4805,
0.3715

 0.5932, 0.8081,
0.1919

 145.2105, 0.4684,
0.3703

 0.0000, 1.0000,
0.0000

 180.9629, 0.4578,

 0.0000, 0.0000,

0.3690

0.0000

222.1490, 0.4484,
0.3676

23.2787, 0.5785,
0.3667

23.2787, 0.5785,
0.3667

20.9921, 0.6042,
0.3578

26.2820, 0.5450,
0.3719

20.8476, 0.6059,
0.3571

30.0631, 0.5070,
0.3726

34.6767, 0.4684,
0.3697


40.1711, 0.4321,
0.3643

46.5905, 0.3998,
0.3574

 53.9761, 0.3718,
0.3499

 62.3666, 0.3481,
0.3425

 71.7984, 0.3282,
0.3353

 82.3059, 0.3116,
0.3285

Harmonies

Analogous

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



23.2787, 0.5439, 0.2887



23.2787, 0.5785, 0.3667



23.2787, 0.5213, 0.4572

Triad

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



23.2787, 0.5785, 0.3667



23.2787, 0.1891, 0.4903



23.2787, 0.1693, 0.1431

Complementary

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



23.2787, 0.5785, 0.3667



37.5476, 0.2041, 0.2485

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.



23.2787, 0.1174, 0.1500



23.2787, 0.5785, 0.3667



23.2787, 0.1214, 0.3103

Square

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



23.2787, 0.5785, 0.3667



23.2787, 0.2984, 0.5989



23.2787, 0.1017, 0.1970



23.2787, 0.2692, 0.1665

Rectangle

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



23.2787, 0.5785, 0.3667



23.2787, 0.4544, 0.5239



23.2787, 0.1017, 0.1970



23.2787, 0.1473, 0.1418

Sweetspot

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



23.2801, 0.5785, 0.3667



68.3212, 0.3665, 0.3483



21.2172, 0.3923, 0.1984



13.9095, 0.3752, 0.3509



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.



23.2801, 0.5785, 0.3667



25.4707, 0.6067, 0.3565



51.8748, 0.4591, 0.4667



15.7135, 0.3286, 0.3354



12.0036, 0.6032, 0.3593



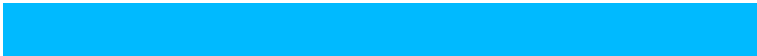
1.0972, 0.5761, 0.3808

Inverse Universe

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



37.5476, 0.2041, 0.2485



42.4943, 0.1992, 0.2373



10.9290, 0.1642, 0.1024



16.3962, 0.2981, 0.3225



19.9286, 0.1998, 0.2393



1.7222, 0.2037, 0.2532

Previews

White Background



This preview shows how the Yxy color 23.2787, 0.5785, 0.3667 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 23.2787, 0.5785, 0.3667 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 23.2787, 0.5785, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 23.2787, 0.5785, 0.3667.



This preview shows how white text looks on a background with the Yxy color 23.2787, 0.5785, 0.3667.

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

23.2787, 0.5785, 0.3667

Protanopia

23.3046, 0.4256, 0.4693

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.2405, 0.5326, 0.3260

Trichromacy



Original Color

23.2787, 0.5785, 0.3667

Protanomaly

21.8477, 0.4896, 0.4259

Deuteranomaly

22.3781, 0.5175, 0.4232

Tritanomaly

23.2674, 0.5549, 0.3445

Monochromacy



Original Color

23.2787, 0.5785, 0.3667

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5410, 0.4208, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2787, 0.5785, 0.3667 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(233, 81, 25)` looks like.

```
.text, #text, p{  
    color:rgb(233, 81, 25)  
}
```

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(233, 81, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 81, 25) }
```

Border

The CSS property to change the border of an element to Yxy 23.2787, 0.5785, 0.3667 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(233, 81, 25) }
```

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

```
.border{ border-color:rgb(233, 81, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 81, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 81, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 81, 25);  
box-shadow:4px 4px 4px 4px rgb(233, 81,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2787, 0.5785, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 81, 25) }
```

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

```
.background{ background-color: rgb(233, 81,  
25) }
```

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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