

Converting Colors

$Yxy(23.2184, 0.5801, 0.3771)$

Have a look what the booklet for
Yxy(23.2184, 0.5801, 0.3771)
contains.

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Color

Yxy(23.1572, 0.5798, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	E55501
RGB	229, 85, 1
RGB Percent	90%, 33%, 0%
CMY	0.1020, 0.6666, 0.9967
CMYK	0.00, 0.63, 1.00, 0.10
HSL	22°, 99%, 45%
HSV	22°, 100%, 90%
XYZ	35.5670, 23.1572, 2.6194
YIQ	118.4800, 112.7880, 4.4040

Conversions

Conversions Part 2

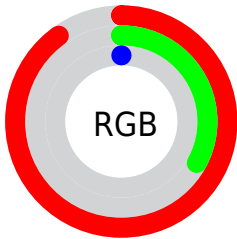
Format	Color
RYB	229, 134, 1
Decimal	15029505
CIELab	55.23, 53.26, 65.08
CIElCh	55, 84.100, 50.702
Yxy	23.1572, 0.5798, 0.3775
Android (android.graphics.Color)	4293219585 (0xFFE55501)
YUV	118.4800, -57.9176, 96.9260
Hunter-Lab	48.1219, 47.7163, 30.4581

Details

The Yxy color **23.1572, 0.5798, 0.3775** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **25.8644, 0.1895, 0.2021**, and the grayscale version is **18.4305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3863, 0.5060, 0.3965**, and **8.6946, 0.6246, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **23.0729, 0.5806, 0.3772**, and if you desaturate by 10%, it is **25.7346, 0.5554, 0.3865**.

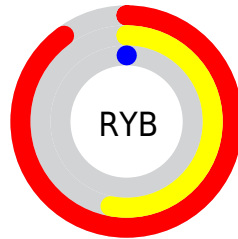
Distribution



Red (90%)

Green (33%)

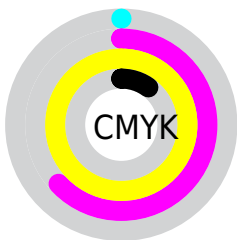
Blue (0%)



Red (90%)

Yellow (53%)

Blue (0%)

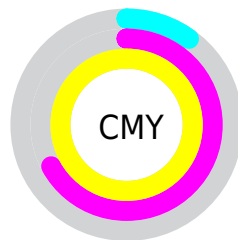


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1572, 0.5798, 0.3775 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 23.1572, 0.5798, 0.3775 by changing the saturation by 10% instead.


 23.1572, 0.5798,
0.3775


 23.1572, 0.5798,
0.3775


268.5314, 0.4434,
0.3738


 14.7096, 0.6085,
0.3688


 48.6513, 0.5329,
0.3830


 8.6158, 0.6451,
0.3549


 66.4667, 0.5142,
0.3830


 4.4915, 0.6760,
0.3240

 88.1734, 0.4980,
0.3820

 1.9521, 0.7210,
0.2790

 114.1558, 0.4840,
0.3806

 0.5794, 0.7993,
0.2007

 144.7985, 0.4718,
0.3790


 0.0000, 1.0000,
0.0000


 180.4857, 0.4612,


 0.0000, 0.0000,


0.3772

0.0000

 221.6019, 0.4517,
0.3755


 23.1572, 0.5798,
0.3775

 23.1572, 0.5798,
0.3775


 23.0729, 0.5806,
0.3772

 25.7346, 0.5554,
0.3865

 28.8760, 0.5255,
0.3908

 32.6290, 0.4922,
0.3901

 37.0297, 0.4583,
0.3852

 42.1103, 0.4259,
0.3774

■ 47.9010, 0.3965,
0.3679

■ 54.4295, 0.3705,
0.3578

■ 61.7222, 0.3480,
0.3477

■ 69.8040, 0.3286,
0.3379

Harmonies

Analogous

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



23.1572, 0.5611, 0.2978



23.1572, 0.5798, 0.3775



23.1572, 0.5107, 0.4719

Triad

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



23.1572, 0.5798, 0.3775



23.1572, 0.1729, 0.4683



23.1572, 0.1776, 0.1416

Complementary

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



23.1572, 0.5798, 0.3775



25.8644, 0.1895, 0.2021

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.



23.1572, 0.1193, 0.1438



23.1572, 0.5798, 0.3775



23.1572, 0.1125, 0.2876

Square

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



23.1572, 0.5798, 0.3775



23.1572, 0.2797, 0.6014



23.1572, 0.0987, 0.1840



23.1572, 0.2867, 0.1695

Rectangle

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



23.1572, 0.5798, 0.3775



23.1572, 0.4391, 0.5403



23.1572, 0.0987, 0.1840



23.1572, 0.1532, 0.1389

Sweetspot

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



23.1585, 0.5798, 0.3775



68.9843, 0.3718, 0.3584



18.7317, 0.4420, 0.2210



13.9888, 0.3825, 0.3627



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.



23.1585, 0.5798, 0.3775



29.2770, 0.5817, 0.3764



57.3145, 0.4451, 0.4846



15.2343, 0.3283, 0.3377



13.4026, 0.5779, 0.3794



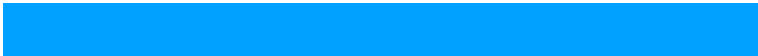
1.1632, 0.5502, 0.4013

Inverse Universe

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



25.8644, 0.1895, 0.2021



32.6870, 0.1891, 0.2008



6.6567, 0.1527, 0.0694



15.3957, 0.2981, 0.3201



14.9678, 0.1899, 0.2038



1.2821, 0.1956, 0.2241

Previews

White Background



This preview shows how the Yxy color 23.1572, 0.5798, 0.3775 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 23.1572, 0.5798, 0.3775 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 23.1572, 0.5798, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 23.1572, 0.5798, 0.3775.



This preview shows how white text looks on a background with the Yxy color 23.1572, 0.5798, 0.3775.

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

23.1572, 0.5798, 0.3775

Protanopia

23.3209, 0.4342, 0.4795

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.2210, 0.5226, 0.3249

Trichromacy



Original Color

23.1572, 0.5798, 0.3775

Protanomaly

22.1090, 0.4941, 0.4383

Deuteranomaly

22.3160, 0.5165, 0.4281

Tritanomaly

22.9742, 0.5556, 0.3522

Monochromacy



Original Color

23.1572, 0.5798, 0.3775

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0852, 0.4305, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1572, 0.5798, 0.3775 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(229, 85, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 85, 1)  
}
```

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(229, 85, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 85, 1) }
```

Border

The CSS property to change the border of an element to Yxy 23.1572, 0.5798, 0.3775 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(229, 85, 1) }
```

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

```
.border{ border-color:rgb(229, 85, 1) }
```

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

Here you see how a box with a 4 pixel rgb(229, 85, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 85, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 85, 1);  
box-shadow:4px 4px 4px 4px rgb(229, 85, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1572, 0.5798, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 85, 1) }
```

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

```
.background{ background-color: rgb(229, 85,  
1) }
```

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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