

Converting Colors

$Y_{xy}(22.8233, 0.5948, 0.3628)$

Have a look what the booklet for
Yxy(22.8233, 0.5948, 0.3628)
contains.

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Color

Yxy(22.7871, 0.5948, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	ED4908
RGB	237, 73, 8
RGB Percent	93%, 29%, 3%
CMY	0.0706, 0.7136, 0.9691
CMYK	0.00, 0.69, 0.97, 0.07
HSL	17°, 94%, 48%
HSV	17°, 97%, 93%
XYZ	37.3485, 22.7871, 2.6561
YIQ	114.6260, 118.6090, 14.5530

Conversions

Conversions Part 2

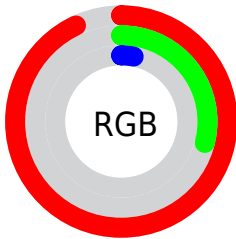
Format	Color
RYB	237, 99, 8
Decimal	15550728
CIELab	54.85, 60.83, 64.16
CIELCh	55, 88.407, 46.525
Yxy	22.7871, 0.5948, 0.3629
Android (android.graphics.Color)	4293740808 (0xFFED4908)
YUV	114.6260, -52.5666, 107.3220
Hunter-Lab	47.7358, 56.1206, 30.1161

Details

The Yxy color **22.7871, 0.5948, 0.3629** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **35.6109, 0.1992, 0.2357**, and the grayscale version is **17.1597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6186, 0.5144, 0.3855**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.0630, 0.6025, 0.3598**, and if you desaturate by 10%, it is **25.4147, 0.5674, 0.3713**.

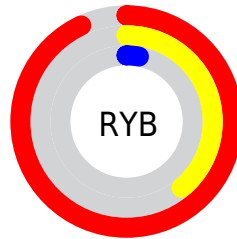
Distribution



Red (93%)

Green (29%)

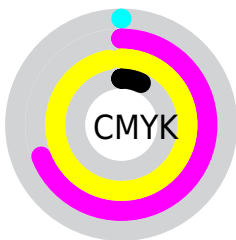
Blue (3%)



Red (93%)

Yellow (39%)

Blue (3%)

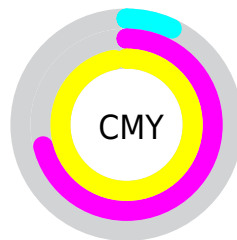


Cyan (0%)

Magenta (69%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (71%)


Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7871, 0.5948, 0.3629 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 22.7871, 0.5948, 0.3629 by changing the saturation by 10% instead.


 22.7871, 0.5948,
0.3629


 22.7871, 0.5948,
0.3629


266.6296, 0.4501,
0.3680


 14.4364, 0.6255,
0.3520


 48.0435, 0.5449,
0.3718


 8.4248, 0.6646,
0.3354


 65.7180, 0.5250,
0.3729

 4.3679, 0.6983,
0.3017

 87.2692, 0.5079,
0.3730

 1.8814, 0.7463,
0.2537

 113.0815, 0.4931,
0.3725

 0.5372, 0.8289,
0.1711

 143.5393, 0.4802,
0.3716


 0.0000, 1.0000,
0.0000


 179.0270, 0.4689,

 0.0000, 0.0000,


0.3704


0.0000


 219.9289, 0.4589,
0.3692


 22.7871, 0.5948,
0.3629

 22.7871, 0.5948,
0.3629


 22.0630, 0.6025,
0.3598

 25.4147, 0.5674,
0.3713

 28.7855, 0.5328,
0.3753

 32.9589, 0.4949,
0.3748

 37.9862, 0.4574,
0.3708

 43.9139, 0.4225,
0.3645

■ 50.7848, 0.3917,
0.3570

■ 58.6390, 0.3651,
0.3491

■ 67.5140, 0.3426,
0.3412

■ 77.4456, 0.3236,
0.3337

Harmonies

Analogous

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



22.7871, 0.5619, 0.2835



22.7871, 0.5948, 0.3629



22.7871, 0.5297, 0.4582

Triad

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



22.7871, 0.5948, 0.3629



22.7871, 0.1782, 0.5055



22.7871, 0.1608, 0.1334

Complementary

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



22.7871, 0.5948, 0.3629



35.6109, 0.1992, 0.2357

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.



22.7871, 0.1077, 0.1397



22.7871, 0.5948, 0.3629



22.7871, 0.1097, 0.3060

Square

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



22.7871, 0.5948, 0.3629



22.7871, 0.2917, 0.6226



22.7871, 0.0912, 0.1869



22.7871, 0.2655, 0.1576

Rectangle

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



22.7871, 0.5948, 0.3629



22.7871, 0.4572, 0.5318



22.7871, 0.0912, 0.1869



22.7871, 0.1382, 0.1320

Sweetspot

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



22.7885, 0.5948, 0.3629



66.8754, 0.3712, 0.3510



21.1553, 0.4062, 0.2024



13.4594, 0.3825, 0.3544



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.



22.7885, 0.5948, 0.3629



25.9605, 0.6032, 0.3592



53.7091, 0.4619, 0.4698



15.7515, 0.3286, 0.3358



12.2396, 0.5997, 0.3621



1.1200, 0.5725, 0.3836

Inverse Universe

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



35.6109, 0.1992, 0.2357



40.8785, 0.1977, 0.2317



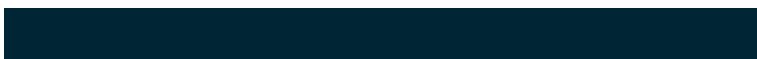
9.1428, 0.1577, 0.0854



16.3560, 0.2981, 0.3221



19.1895, 0.1983, 0.2339



1.6691, 0.2024, 0.2486

Previews

White Background



This preview shows how the Yxy color 22.7871, 0.5948, 0.3629 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 22.7871, 0.5948, 0.3629 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 22.7871, 0.5948, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 22.7871, 0.5948, 0.3629.



This preview shows how white text looks on a background with the Yxy color 22.7871, 0.5948, 0.3629.

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

22.7871, 0.5948, 0.3629

Protanopia

22.8776, 0.4313, 0.4776

Deuteranopia

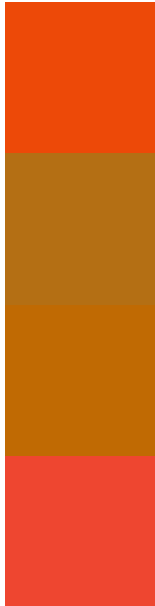
22.7742, 0.4705, 0.4646



Tritanopia

22.7663, 0.5530, 0.3273

Trichromacy



Original Color

22.7871, 0.5948, 0.3629

Protanomaly

21.1227, 0.5007, 0.4294

Deuteranomaly

21.5211, 0.5250, 0.4199

Tritanomaly

22.7709, 0.5760, 0.3453

Monochromacy



Original Color

22.7871, 0.5948, 0.3629

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0071, 0.4361, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7871, 0.5948, 0.3629 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(237, 73, 8)` looks like.

```
.text, #text, p{  
  color:rgb(237, 73, 8)  
}
```

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(237, 73, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 73, 8) }
```

Border

The CSS property to change the border of an element to Yxy 22.7871, 0.5948, 0.3629 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(237, 73, 8) }
```

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

```
.border{ border-color:rgb(237, 73, 8) }
```

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

Here you see how a box with a 4 pixel rgb(237, 73, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 73, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 73, 8);  
box-shadow:4px 4px 4px 4px rgb(237, 73, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.7871, 0.5948, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 73, 8) }
```

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

```
.background{ background-color: rgb(237, 73,  
8) }
```

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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