

Converting Colors

$Y_{xy}(22.0957, 0.5998, 0.3608)$

Have a look what the booklet for
Yxy(22.0957, 0.5998, 0.3608)
contains.

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Color

Yxy(22.0957, 0.5998, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	EC4503
RGB	236, 69, 3
RGB Percent	93%, 27%, 1%
CMY	0.0746, 0.7293, 0.9885
CMYK	0.00, 0.71, 0.99, 0.07
HSL	17°, 98%, 47%
HSV	17°, 99%, 93%
XYZ	36.7323, 22.0957, 2.4129
YIQ	111.4090, 120.7180, 14.8780

Conversions

Conversions Part 2

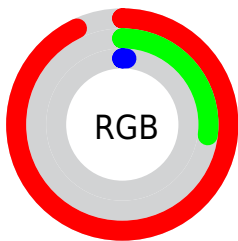
Format	Color
R_{YB}	236, 95, 3
Decimal	15484163
CIE Lab	54.13, 61.92, 64.73
CIE LCh	54, 89.582, 46.272
Yxy	22.0957, 0.5998, 0.3608
Android (android.graphics.Color)	4293674243 (0xFFEC4503)
YUV	111.4090, -53.4456, 109.2663
Hunter-Lab	47.0061, 57.2258, 29.8608

Details

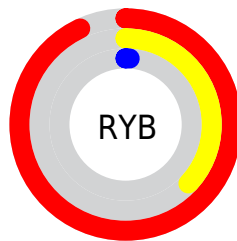
The Yxy color **22.0957, 0.5998, 0.3608** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **34.7766, 0.1984, 0.2337**, and the grayscale version is **16.1562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7976, 0.5196, 0.3845**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.8369, 0.6027, 0.3597**, and if you desaturate by 10%, it is **24.5530, 0.5739, 0.3698**.

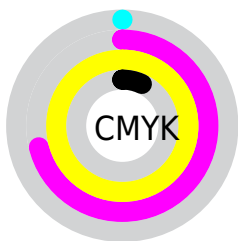
Distribution



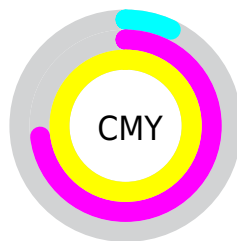
- Red (93%)
- Green (27%)
- Blue (1%)



- Red (93%)
- Yellow (37%)
- Blue (1%)



- Cyan (0%)
- Magenta (71%)
- Yellow (99%)
- Black (7%)




- Cyan (7%)
- Magenta (73%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0957, 0.5998, 0.3608 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 22.0957, 0.5998, 0.3608 by changing the saturation by 10% instead.


 22.0957, 0.5998,
0.3608


 22.0957, 0.5998,
0.3608

263.0456, 0.4524,
0.3679


 13.9272, 0.6310,
0.3491


 46.9041, 0.5491,
0.3707


 8.0701, 0.6693,
0.3307


 64.3129, 0.5289,
0.3722


 4.1398, 0.7042,
0.2958

 85.5705, 0.5114,
0.3725

 1.7521, 0.7538,
0.2462

 111.0614, 0.4963,
0.3721

 0.4570, 0.8454,
0.1546

 141.1700, 0.4831,
0.3713

 0.0000, 1.0000,
0.0000

 176.2806, 0.4716,

 0.0000, 0.0000,


0.3702


0.0000


 216.7777, 0.4614,
0.3691

 22.0957, 0.5998,
0.3608

 22.0957, 0.5998,
0.3608


 21.8369, 0.6027,
0.3597

 24.5530, 0.5739,
0.3698

 27.7310, 0.5405,
0.3747

 31.6934, 0.5030,
0.3751

 36.4921, 0.4651,
0.3717

 42.1741, 0.4295,
0.3658

■ 48.7827, 0.3978,
0.3585

■ 56.3581, 0.3703,
0.3507

■ 64.9380, 0.3470,
0.3428

■ 74.5583, 0.3273,
0.3352

Harmonies

Analogous

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



22.0957, 0.5664, 0.2812



22.0957, 0.5998, 0.3608



22.0957, 0.5333, 0.4576

Triad

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



22.0957, 0.5998, 0.3608



22.0957, 0.1758, 0.5121



22.0957, 0.1576, 0.1305

Complementary

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



22.0957, 0.5998, 0.3608



34.7766, 0.1984, 0.2337

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.



22.0957, 0.1046, 0.1370



22.0957, 0.5998, 0.3608



22.0957, 0.1066, 0.3062

Square

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



22.0957, 0.5998, 0.3608



22.0957, 0.2905, 0.6298



22.0957, 0.0882, 0.1845



22.0957, 0.2631, 0.1547

Rectangle

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



22.0957, 0.5998, 0.3608



22.0957, 0.4593, 0.5334



22.0957, 0.0882, 0.1845



22.0957, 0.1350, 0.1291

Sweetspot

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



22.0970, 0.5998, 0.3608



65.8957, 0.3738, 0.3518



20.7939, 0.4086, 0.2029



13.2697, 0.3852, 0.3551



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.



22.0970, 0.5998, 0.3608



25.9379, 0.6034, 0.3591



52.7386, 0.4635, 0.4696



15.7498, 0.3286, 0.3357



12.2287, 0.5998, 0.3619



1.1189, 0.5727, 0.3835

Inverse Universe

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



34.7766, 0.1984, 0.2337



40.9498, 0.1978, 0.2320



8.6590, 0.1564, 0.0823



16.3578, 0.2981, 0.3222



19.2221, 0.1984, 0.2341



1.6715, 0.2025, 0.2488

Previews

White Background



This preview shows how the Yxy color 22.0957, 0.5998, 0.3608 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 22.0957, 0.5998, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

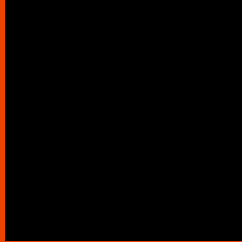
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0957, 0.5998, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 22.0957, 0.5998, 0.3608.



This preview shows how white text looks on a background with the Yxy color 22.0957, 0.5998, 0.3608.

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

22.0957, 0.5998, 0.3608

Protanopia

22.1508, 0.4318, 0.4777

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0766, 0.5602, 0.3274

Trichromacy



Original Color

22.0957, 0.5998, 0.3608

Protanomaly

20.3525, 0.5050, 0.4272

Deuteranomaly

20.6498, 0.5284, 0.4182

Tritanomaly

22.0828, 0.5824, 0.3446

Monochromacy



Original Color

22.0957, 0.5998, 0.3608

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9015, 0.4417, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0957, 0.5998, 0.3608 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(236, 69, 3)` looks like.

```
.text, #text, p{  
    color:rgb(236, 69, 3)  
}
```

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(236, 69, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 69, 3) }
```

Border

The CSS property to change the border of an element to Yxy 22.0957, 0.5998, 0.3608 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(236, 69, 3) }
```

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

```
.border{ border-color:rgb(236, 69, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 69, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 69, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 69, 3);  
box-shadow:4px 4px 4px 4px rgb(236, 69, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0957, 0.5998, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 69, 3) }
```

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

```
.background{ background-color: rgb(236, 69,  
3) }
```

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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