

Converting Colors

$Y_{xy}(22.6987, 0.5881, 0.3646)$

Have a look what the booklet for
Yxy(22.6987, 0.5881, 0.3646)
contains.

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Color

Yxy(22.6987, 0.5881, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	EA4C10
RGB	234, 76, 16
RGB Percent	92%, 30%, 6%
CMY	0.0823, 0.7020, 0.9369
CMYK	0.00, 0.68, 0.93, 0.08
HSL	16°, 87%, 49%
HSV	16°, 93%, 92%
XYZ	36.6130, 22.6987, 2.9447
YIQ	116.4020, 113.4280, 14.8360

Conversions

Conversions Part 2

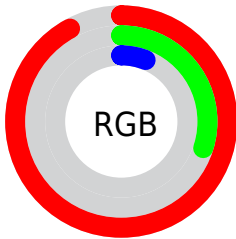
Format	Color
R_{YB}	234, 99, 16
Decimal	15354896
CIE Lab	54.76, 58.80, 61.97
CIE LCh	55, 85.427, 46.501
Yxy	22.6987, 0.5881, 0.3646
Android (android.graphics.Color)	4293544976 (0xFFEA4C10)
YUV	116.4020, -49.4982, 103.1334
Hunter-Lab	47.6432, 53.7989, 29.6856

Details

The Yxy color **22.6987, 0.5881, 0.3646** 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 **36.3608, 0.2017, 0.2426**, and the grayscale version is **17.7265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2175, 0.5088, 0.3840**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.1992, 0.6046, 0.3581**, and if you desaturate by 10%, it is **25.4660, 0.5576, 0.3715**.

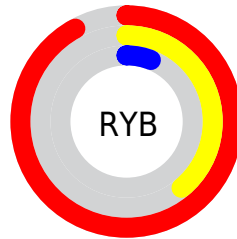
Distribution



Red (92%)

Green (30%)

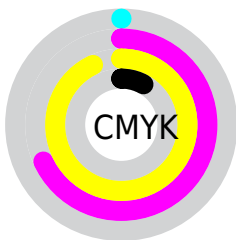
Blue (6%)



Red (92%)

Yellow (39%)

Blue (6%)

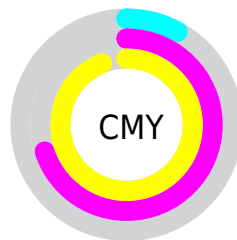


Cyan (0%)

Magenta (68%)

Yellow (93%)

Black (8%)



Cyan (8%)

Magenta (70%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6987, 0.5881, 0.3646 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 22.6987, 0.5881, 0.3646 by changing the saturation by 10% instead.


 22.6987, 0.5881,
0.3646


 22.6987, 0.5881,
0.3646


266.1737, 0.4456,
0.3672


 14.3712, 0.6190,
0.3547


 47.8981, 0.5385,
0.3722


 8.3793, 0.6600,
0.3400


 65.5388, 0.5189,
0.3730


 4.3386, 0.6932,
0.3068

 87.0527, 0.5021,
0.3728

 1.8647, 0.7409,
0.2591

 112.8242, 0.4875,
0.3721

 0.5270, 0.8247,
0.1753

 143.2376, 0.4749,
0.3710

 0.0000, 1.0000,
0.0000

 178.6774, 0.4639,

 0.0000, 0.0000,


0.3698


0.0000


 219.5279, 0.4542,
0.3685

 22.6987, 0.5881,
0.3646


 22.6987, 0.5881,
0.3646


 21.1992, 0.6046,
0.3581

 25.4660, 0.5576,
0.3715

 28.9884, 0.5210,
0.3739

 33.3228, 0.4825,
0.3721

 38.5186, 0.4453,
0.3674

 44.6210, 0.4115,
0.3608

■ 51.6719, 0.3820,
0.3534

■ 59.7106, 0.3568,
0.3457

■ 68.7739, 0.3355,
0.3382

■ 78.8967, 0.3177,
0.3311

Harmonies

Analogous

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



22.6987, 0.5543, 0.2857



22.6987, 0.5881, 0.3646



22.6987, 0.5262, 0.4578

Triad

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



22.6987, 0.5881, 0.3646



22.6987, 0.1828, 0.4991



22.6987, 0.1643, 0.1374

Complementary

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



22.6987, 0.5881, 0.3646



36.3608, 0.2017, 0.2426

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.



22.6987, 0.1117, 0.1440



22.6987, 0.5881, 0.3646



22.6987, 0.1145, 0.3079

Square

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



22.6987, 0.5881, 0.3646



22.6987, 0.2946, 0.6127



22.6987, 0.0955, 0.1911



22.6987, 0.2670, 0.1613

Rectangle

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



22.6987, 0.5881, 0.3646



22.6987, 0.4560, 0.5285



22.6987, 0.0955, 0.1911



22.6987, 0.1420, 0.1360

Sweetspot

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



22.7000, 0.5881, 0.3646



67.5245, 0.3689, 0.3495



20.9977, 0.3965, 0.1985



13.5712, 0.3802, 0.3529



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.



22.7000, 0.5881, 0.3646



25.6537, 0.6054, 0.3575



51.4650, 0.4628, 0.4670



15.7280, 0.3286, 0.3355



12.0919, 0.6019, 0.3603



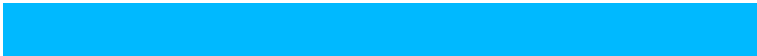
1.1057, 0.5747, 0.3819

Inverse Universe

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



36.3608, 0.2017, 0.2426



41.8732, 0.1987, 0.2351



10.0579, 0.1610, 0.0949



16.3809, 0.2981, 0.3224



19.6446, 0.1992, 0.2372



1.7019, 0.2032, 0.2515

Previews

White Background



This preview shows how the Yxy color 22.6987, 0.5881, 0.3646 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 22.6987, 0.5881, 0.3646 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 22.6987, 0.5881, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 22.6987, 0.5881, 0.3646.



This preview shows how white text looks on a background with the Yxy color 22.6987, 0.5881, 0.3646.

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

22.6987, 0.5881, 0.3646

Protanopia

22.8974, 0.4294, 0.4747

Deuteranopia

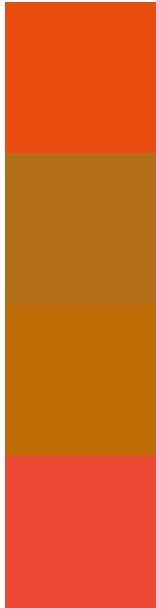
22.7742, 0.4705, 0.4646



Tritanopia

22.6631, 0.5449, 0.3271

Trichromacy



Original Color

22.6987, 0.5881, 0.3646

Protanomaly

21.2466, 0.4954, 0.4284

Deuteranomaly

21.6049, 0.5218, 0.4210

Tritanomaly

22.6843, 0.5671, 0.3450

Monochromacy



Original Color

22.6987, 0.5881, 0.3646

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2575, 0.4294, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6987, 0.5881, 0.3646 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(234, 76, 16)` looks like.

```
.text, #text, p{  
  color:rgb(234, 76, 16)  
}
```

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(234, 76, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 76, 16) }
```

Border

The CSS property to change the border of an element to Yxy 22.6987, 0.5881, 0.3646 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(234, 76, 16) }
```

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

```
.border{ border-color:rgb(234, 76, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 76, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 76, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 76, 16);  
box-shadow:4px 4px 4px 4px rgb(234, 76,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6987, 0.5881, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 76, 16) }
```

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

```
.background{ background-color: rgb(234, 76,  
16) }
```

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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