

Converting Colors

$Y_{xy}(23.7639, 0.5939, 0.3600)$

Have a look what the booklet for
Yxy(23.7639, 0.5939, 0.3600)
contains.

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Color

Yxy(23.6828, 0.5940, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	F24911
RGB	242, 73, 17
RGB Percent	95%, 29%, 7%
CMY	0.0510, 0.7136, 0.9333
CMYK	0.00, 0.70, 0.93, 0.05
HSL	15°, 90%, 51%
HSV	15°, 93%, 95%
XYZ	39.0983, 23.6828, 3.0410
YIQ	117.1470, 118.7000, 18.4120

Conversions

Conversions Part 2

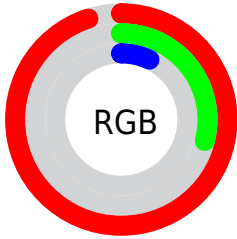
Format	Color
R_{YB}	242, 92, 17
Decimal	15878417
CIE _{Lab}	55.77, 62.51, 63.06
CIE _{LCh}	56, 88.791, 45.251
Yxy	23.6828, 0.5940, 0.3598
Android (android.graphics.Color)	4294068497 (0xFFFF24911)
YUV	117.1470, -49.3725, 109.4961
Hunter-Lab	48.6650, 58.2465, 30.3606

Details

The Yxy color **23.6828, 0.5940, 0.3598** 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 **41.6313, 0.2040, 0.2513**, and the grayscale version is **17.9698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9475, 0.5097, 0.3831**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.1336, 0.6106, 0.3534**, and if you desaturate by 10%, it is **26.5531, 0.5630, 0.3666**.

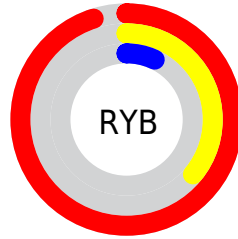
Distribution



Red (95%)

Green (29%)

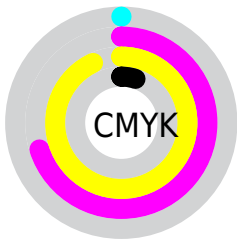
Blue (7%)



Red (95%)

Yellow (36%)

Blue (7%)

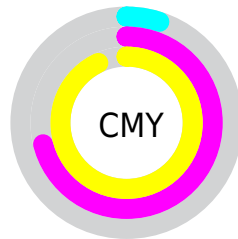


Cyan (0%)

Magenta (70%)

Yellow (93%)

Black (5%)



Cyan (5%)


Magenta (71%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6828, 0.5940, 0.3598 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 23.6828, 0.5940, 0.3598 by changing the saturation by 10% instead.


 23.6828, 0.5940,
0.3598


 23.6828, 0.5940,
0.3598

271.2129, 0.4497,
0.3657


 15.0985, 0.6249,
0.3492


 49.5121, 0.5441,
0.3686

 8.8885, 0.6660,
0.3340


 67.5258, 0.5243,
0.3699

 4.6685, 0.6992,
0.3008

 89.4515, 0.5072,
0.3701

 2.0541, 0.7460,
0.2540

 115.6736, 0.4925,
0.3697

 0.6386, 0.8198,
0.1802

 146.5763, 0.4796,
0.3689


 0.0000, 1.0000,
0.0000


 182.5442, 0.4684,


 0.0000, 0.0000,


0.3679


0.0000


 223.9616, 0.4585,
0.3668


 23.6828, 0.5940,
0.3598


 23.6828, 0.5940,
0.3598

 22.1336, 0.6106,
0.3534

 26.5531, 0.5630,
0.3666

 30.2786, 0.5254,
0.3692

 34.9268, 0.4857,
0.3679

 40.5569, 0.4473,
0.3638

 47.2225, 0.4127,
0.3578

■ 54.9735, 0.3825,
0.3511

■ 63.8562, 0.3568,
0.3441

■ 73.9143, 0.3354,
0.3372

■ 85.1891, 0.3174,
0.3308

Harmonies

Analogous

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



23.6828, 0.5558, 0.2809



23.6828, 0.5940, 0.3598



23.6828, 0.5327, 0.4536

Triad

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



23.6828, 0.5940, 0.3598



23.6828, 0.1835, 0.5121



23.6828, 0.1585, 0.1341

Complementary

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



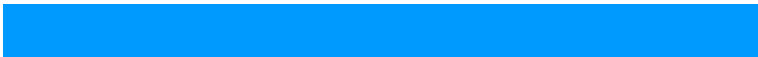
23.6828, 0.5940, 0.3598



41.6313, 0.2040, 0.2513

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.



23.6828, 0.1074, 0.1419



23.6828, 0.5940, 0.3598



23.6828, 0.1127, 0.3136

Square

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



23.6828, 0.5940, 0.3598



23.6828, 0.2976, 0.6205



23.6828, 0.0923, 0.1912



23.6828, 0.2603, 0.1570

Rectangle

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



23.6828, 0.5940, 0.3598



23.6828, 0.4618, 0.5262



23.6828, 0.0923, 0.1912



23.6828, 0.1367, 0.1331

Sweetspot

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



23.6842, 0.5940, 0.3598



66.6545, 0.3694, 0.3476



22.9713, 0.3855, 0.1923



13.3674, 0.3809, 0.3507



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.



23.6842, 0.5940, 0.3598



24.8705, 0.6110, 0.3530



52.3676, 0.4703, 0.4609



16.3982, 0.3287, 0.3349



12.0731, 0.6078, 0.3556



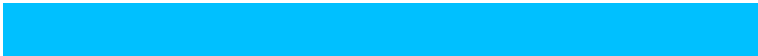
1.1569, 0.5824, 0.3758

Inverse Universe

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



41.6313, 0.2040, 0.2513



44.7006, 0.2013, 0.2445



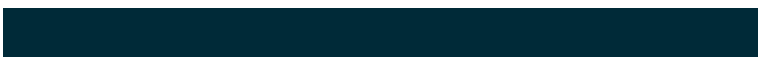
11.8370, 0.1630, 0.1020



17.2234, 0.2981, 0.3230



21.5867, 0.2018, 0.2463



1.9517, 0.2052, 0.2585

Previews

White Background



This preview shows how the Yxy color 23.6828, 0.5940, 0.3598 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 23.6828, 0.5940, 0.3598 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 23.6828, 0.5940, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 23.6828, 0.5940, 0.3598.



This preview shows how white text looks on a background with the Yxy color 23.6828, 0.5940, 0.3598.

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

23.6828, 0.5940, 0.3598

Protanopia

23.7393, 0.4296, 0.4730

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.6439, 0.5562, 0.3274

Trichromacy



Original Color

23.6828, 0.5940, 0.3598

Protanomaly

21.8578, 0.5000, 0.4243

Deuteranomaly

22.2643, 0.5263, 0.4176

Tritanomaly

23.6740, 0.5758, 0.3430

Monochromacy



Original Color

23.6828, 0.5940, 0.3598

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.5828, 0.4321, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6828, 0.5940, 0.3598 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(242, 73, 17)` looks like.

```
.text, #text, p{  
    color:rgb(242, 73, 17)  
}
```

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(242, 73, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 73, 17) }
```

Border

The CSS property to change the border of an element to Yxy 23.6828, 0.5940, 0.3598 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(242, 73, 17) }
```

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

```
.border{ border-color:rgb(242, 73, 17) }
```

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

Here you see how a box with a 4 pixel rgb(242, 73, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 73, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 73, 17);  
box-shadow:4px 4px 4px 4px rgb(242, 73,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6828, 0.5940, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 73, 17) }
```

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

```
.background{ background-color: rgb(242, 73,  
17) }
```

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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