

Converting Colors

$Y_{xy}(23.0722, 0.5861, 0.3642)$

Have a look what the booklet for
Yxy(23.0722, 0.5861, 0.3642)
contains.

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Color

Yxy(23.0204, 0.5860, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	EB4D14
RGB	235, 77, 20
RGB Percent	92%, 30%, 8%
CMY	0.0784, 0.6980, 0.9220
CMYK	0.00, 0.67, 0.92, 0.08
HSL	16°, 84%, 50%
HSV	16°, 92%, 92%
XYZ	37.0400, 23.0204, 3.1478
YIQ	117.7440, 112.4650, 15.7690

Conversions

Conversions Part 2

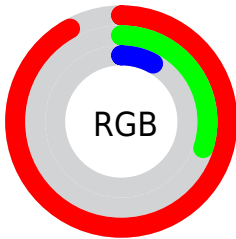
Format	Color
R_{YB}	235, 98, 20
Decimal	15420692
CIE Lab	55.09, 58.78, 61.19
CIE LCh	55, 84.848, 46.153
Yxy	23.0204, 0.5860, 0.3642
Android (android.graphics.Color)	4293610772 (0xFFEB4D14)
YUV	117.7440, -48.1878, 102.8335
Hunter-Lab	47.9796, 53.8367, 29.6959

Details

The Yxy color **23.0204, 0.5860, 0.3642** 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 **37.9361, 0.2033, 0.2473**, and the grayscale version is **18.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5161, 0.5063, 0.3836**, and **8.5678, 0.6396, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **21.1514, 0.6067, 0.3564**, and if you desaturate by 10%, it is **25.8933, 0.5541, 0.3704**.

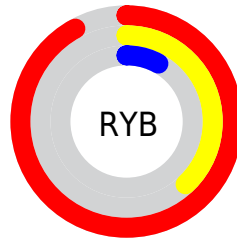
Distribution



Red (92%)

Green (30%)

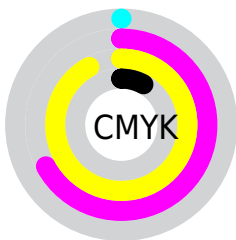
Blue (8%)



Red (92%)

Yellow (38%)

Blue (8%)

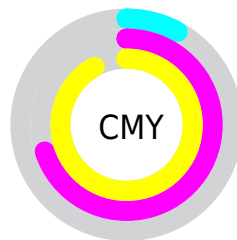


Cyan (0%)

Magenta (67%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (70%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0204, 0.5860, 0.3642 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 23.0204, 0.5860, 0.3642 by changing the saturation by 10% instead.


 23.0204, 0.5860,
0.3642


 23.0204, 0.5860,
0.3642


267.8298, 0.4444,
0.3664


 14.6086, 0.6169,
0.3547


 48.4268, 0.5366,
0.3715

 8.5451, 0.6590,
0.3410

 66.1902, 0.5171,
0.3722


 4.4457, 0.6919,
0.3081

 87.8396, 0.5004,
0.3720

 1.9259, 0.7389,
0.2611

 113.7593, 0.4860,
0.3712

 0.5639, 0.8190,
0.1810

 144.3338, 0.4735,
0.3702

 0.0000, 1.0000,
0.0000


 179.9474, 0.4626,

 0.0000, 0.0000,


0.3690


0.0000


 220.9846, 0.4529,
0.3677


 23.0204, 0.5860,
0.3642


 23.0204, 0.5860,
0.3642

 21.1514, 0.6067,
0.3564

 25.8933, 0.5541,
0.3704

 29.5513, 0.5165,
0.3722

 34.0525, 0.4776,
0.3701

 39.4478, 0.4405,
0.3652

 45.7840, 0.4070,
0.3587

■ 53.1041, 0.3780,
0.3514

■ 61.4488, 0.3532,
0.3440

■ 70.8561, 0.3325,
0.3368

■ 81.3621, 0.3151,
0.3300

Harmonies

Analogous

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



23.0204, 0.5507, 0.2856



23.0204, 0.5860, 0.3642



23.0204, 0.5260, 0.4565

Triad

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



23.0204, 0.5860, 0.3642



23.0204, 0.1854, 0.4990



23.0204, 0.1646, 0.1387

Complementary

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



23.0204, 0.5860, 0.3642



37.9361, 0.2033, 0.2473

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.



23.0204, 0.1127, 0.1457



23.0204, 0.5860, 0.3642



23.0204, 0.1166, 0.3103

Square

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



23.0204, 0.5860, 0.3642



23.0204, 0.2969, 0.6095



23.0204, 0.0970, 0.1934



23.0204, 0.2661, 0.1621

Rectangle

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



23.0204, 0.5860, 0.3642



23.0204, 0.4569, 0.5261



23.0204, 0.0970, 0.1934



23.0204, 0.1426, 0.1374

Sweetspot

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



23.0218, 0.5860, 0.3642



68.2039, 0.3665, 0.3481



21.5035, 0.3894, 0.1953



13.8823, 0.3753, 0.3506



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.



23.0218, 0.5860, 0.3642



25.3603, 0.6075, 0.3559



50.8496, 0.4650, 0.4640



15.7046, 0.3286, 0.3353



11.9503, 0.6040, 0.3586



1.0919, 0.5769, 0.3801

Inverse Universe

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



37.9361, 0.2033, 0.2473



42.8803, 0.1996, 0.2385



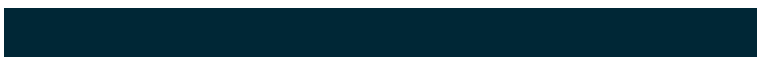
10.9989, 0.1632, 0.1014



16.4057, 0.2981, 0.3226



20.1051, 0.2002, 0.2406



1.7349, 0.2040, 0.2543

Previews

White Background



This preview shows how the Yxy color 23.0204, 0.5860, 0.3642 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 23.0204, 0.5860, 0.3642 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 23.0204, 0.5860, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 23.0204, 0.5860, 0.3642.



This preview shows how white text looks on a background with the Yxy color 23.0204, 0.5860, 0.3642.

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

23.0204, 0.5860, 0.3642

Protanopia

23.2801, 0.4279, 0.4727

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

22.9894, 0.5423, 0.3263

Trichromacy



Original Color

23.0204, 0.5860, 0.3642

Protanomaly

21.6023, 0.4934, 0.4272

Deuteranomaly

21.9469, 0.5210, 0.4213

Tritanomaly

23.0159, 0.5638, 0.3437

Monochromacy



Original Color

23.0204, 0.5860, 0.3642

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.8868, 0.4276, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0204, 0.5860, 0.3642 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(235, 77, 20)` looks like.

```
.text, #text, p{  
    color:rgb(235, 77, 20)  
}
```

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(235, 77, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 77, 20) }
```

Border

The CSS property to change the border of an element to Yxy 23.0204, 0.5860, 0.3642 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(235, 77, 20) }
```

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

```
.border{ border-color:rgb(235, 77, 20) }
```

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

Here you see how a box with a 4 pixel rgb(235, 77, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 77, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 77, 20);  
box-shadow:4px 4px 4px 4px rgb(235, 77,  
20) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.0204, 0.5860, 0.3642$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 77, 20) }
```

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

```
.background{ background-color: rgb(235, 77,  
20) }
```

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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