

Converting Colors

$Y_{xy}(20.8482, 0.6316, 0.3674)$

Have a look what the booklet for
Yxy(20.8482, 0.6316, 0.3674)
contains.

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Color

Yxy(20.9608, 0.6102, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	EC3B00
RGB	236, 59, 0
RGB Percent	93%, 23%, 0%
CMY	0.0744, 0.7687, 1.0000
CMYK	0.00, 0.75, 1.00, 0.07
HSL	15°, 100%, 46%
HSV	15°, 100%, 93%
XYZ	36.1614, 20.9608, 2.1393
YIQ	105.1970, 124.4310, 19.1750

Conversions

Conversions Part 2

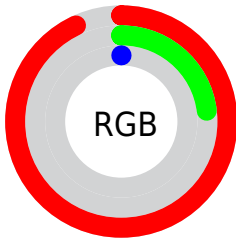
Format	Color
RYB	236, 79, 0
Decimal	15481600
CIELab	52.91, 65.29, 64.84
CIElCh	53, 92.015, 44.799
Yxy	20.9608, 0.6102, 0.3537
Android (android.graphics.Color)	4293671680 (0xFFEC3B00)
YUV	105.1970, -51.8621, 114.7142
Hunter-Lab	45.7830, 60.8669, 29.2776

Details

The Yxy color **20.9608, 0.6102, 0.3537** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **37.5188, 0.2013, 0.2446**, and the grayscale version is **14.2987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7906, 0.5289, 0.3780**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.9621, 0.6102, 0.3537**, and if you desaturate by 10%, it is **23.1642, 0.5852, 0.3625**.

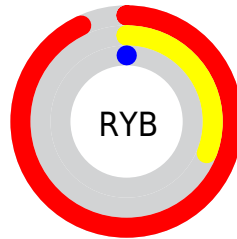
Distribution



Red (93%)

Green (23%)

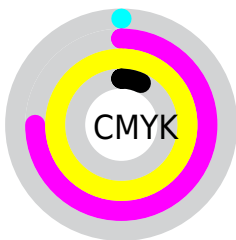
Blue (0%)



Red (93%)

Yellow (31%)

Blue (0%)

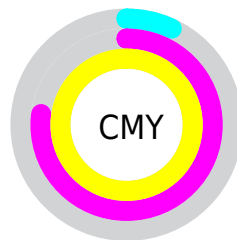


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (77%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9608, 0.6102, 0.3537 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 20.9608, 0.6102, 0.3537 by changing the saturation by 10% instead.


 20.9608, 0.6102,
0.3537


 20.9608, 0.6102,
0.3537


257.0701, 0.4570,
0.3659


 13.0954, 0.6429,
0.3405


 45.0223, 0.5576,
0.3659


 7.4942, 0.6811,
0.3189


 61.9871, 0.5365,
0.3681

 3.7731, 0.7182,
0.2818

 82.7539, 0.5183,
0.3690

 1.5474, 0.7709,
0.2291

 107.7069, 0.5026,
0.3690

 0.3218, 0.8820,
0.1180

 137.2307, 0.4889,
0.3686


 0.0000, 1.0000,
0.0000


 171.7095, 0.4769,

 0.0000, 0.0000,


0.3678


0.0000


 211.5279, 0.4663,
0.3669

 20.9608, 0.6102,
0.3537


 20.9608, 0.6102,
0.3537


 20.9621, 0.6102,
0.3537

 23.1642, 0.5852,
0.3625

 26.1177, 0.5518,
0.3681

 29.8973, 0.5131,
0.3694

 34.5628, 0.4736,
0.3671

 40.1678, 0.4363,
0.3622

■ 46.7617, 0.4030,
0.3559

■ 54.3900, 0.3743,
0.3490

■ 63.0955, 0.3500,
0.3420

■ 72.9184, 0.3297,
0.3353

Harmonies

Analogous

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



20.9608, 0.5718, 0.2741



20.9608, 0.6102, 0.3537



20.9608, 0.5438, 0.4526

Triad

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



20.9608, 0.6102, 0.3537



20.9608, 0.1743, 0.5323



20.9608, 0.1490, 0.1247

Complementary

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



20.9608, 0.6102, 0.3537



37.5188, 0.2013, 0.2446

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.



20.9608, 0.0977, 0.1325



20.9608, 0.6102, 0.3537



20.9608, 0.1021, 0.3127

Square

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



20.9608, 0.6102, 0.3537



20.9608, 0.2922, 0.6437



20.9608, 0.0825, 0.1827



20.9608, 0.2539, 0.1477

Rectangle

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



20.9608, 0.6102, 0.3537



20.9608, 0.4676, 0.5324



20.9608, 0.0825, 0.1827



20.9608, 0.1270, 0.1237

Sweetspot

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



20.9621, 0.6102, 0.3537



64.7073, 0.3746, 0.3491



21.1706, 0.3917, 0.1931



12.9946, 0.3862, 0.3521



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.



20.9621, 0.6102, 0.3537



24.8953, 0.6108, 0.3532



47.7552, 0.4769, 0.4595



15.6655, 0.3287, 0.3350



11.7250, 0.6075, 0.3559



1.0696, 0.5806, 0.3772

Inverse Universe

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



37.5188, 0.2013, 0.2446



44.6038, 0.2012, 0.2442



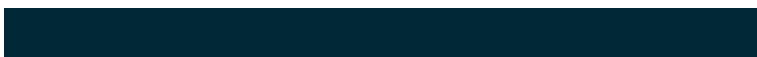
9.6056, 0.1583, 0.0899



16.4473, 0.2981, 0.3230



20.8927, 0.2017, 0.2461



1.7911, 0.2053, 0.2590

Previews

White Background



This preview shows how the Yxy color 20.9608, 0.6102, 0.3537 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 20.9608, 0.6102, 0.3537 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 20.9608, 0.6102, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 20.9608, 0.6102, 0.3537.



This preview shows how white text looks on a background with the Yxy color 20.9608, 0.6102, 0.3537.

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

20.9608, 0.6102, 0.3537

Protanopia

21.0975, 0.4314, 0.4761

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

21.0224, 0.5793, 0.3291

Trichromacy



Original Color

20.9608, 0.6102, 0.3537

Protanomaly

18.8903, 0.5126, 0.4213

Deuteranomaly

19.4267, 0.5346, 0.4137

Tritanomaly

20.9602, 0.5970, 0.3414

Monochromacy



Original Color

20.9608, 0.6102, 0.3537

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.1570, 0.4533, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9608, 0.6102, 0.3537 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, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 59, 0)  
}
```

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, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9608, 0.6102, 0.3537 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, 59, 0) }
```

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

```
.border{ border-color:rgb(236, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9608, 0.6102, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 59, 0) }
```

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

```
.background{ background-color: rgb(236, 59,  
0) }
```

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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