

Converting Colors

$Y_{xy}(20.3365, 0.6320, 0.3674)$

Have a look what the booklet for
Yxy(20.3365, 0.6320, 0.3674)
contains.

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Color

Yxy(20.5185, 0.6105, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	EA3A00
RGB	234, 58, 0
RGB Percent	92%, 23%, 0%
CMY	0.0823, 0.7725, 0.9995
CMYK	0.00, 0.75, 1.00, 0.08
HSL	15°, 100%, 46%
HSV	15°, 100%, 92%
XYZ	35.4458, 20.5185, 2.0960
YIQ	104.0120, 123.5140, 19.2740

Conversions

Conversions Part 2

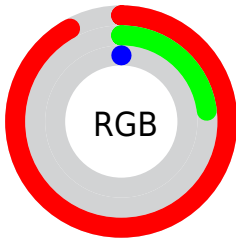
Format	Color
RYB	234, 77, 0
Decimal	15350272
CIELab	52.42, 64.99, 64.36
CIElCh	52, 91.467, 44.722
Yxy	20.5185, 0.6105, 0.3534
Android (android.graphics.Color)	4293540352 (0xFFEA3A00)
YUV	104.0120, -51.2779, 113.9995
Hunter-Lab	45.2974, 60.4083, 28.9647

Details

The Yxy color **20.5185, 0.6105, 0.3534** 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 **37.0415, 0.2016, 0.2456**, and the grayscale version is **13.9671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5431, 0.5306, 0.3777**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.5095, 0.6106, 0.3534**, and if you desaturate by 10%, it is **22.6728, 0.5854, 0.3621**.

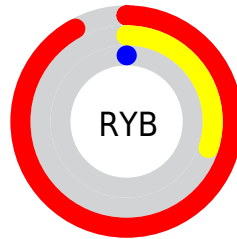
Distribution



Red (92%)

Green (23%)

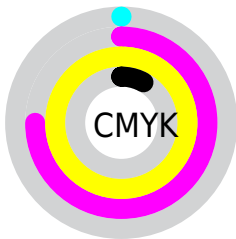
Blue (0%)



Red (92%)

Yellow (30%)

Blue (0%)

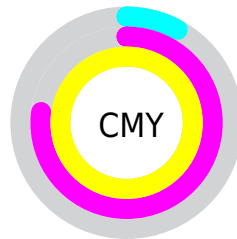


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5185, 0.6105, 0.3534 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 20.5185, 0.6105, 0.3534 by changing the saturation by 10% instead.


 20.5185, 0.6105,
0.3534

 20.5185, 0.6105,
0.3534


 254.7084, 0.4565,
0.3657


 12.7725, 0.6436,
0.3401


 44.2848, 0.5575,
0.3657

 7.2721, 0.6819,
0.3181


 61.0739, 0.5363,
0.3679

 3.6328, 0.7196,
0.2804

 81.6461, 0.5180,
0.3688

 1.4704, 0.7731,
0.2269

 106.3859, 0.5022,
0.3688

 0.2677, 0.8953,
0.1047

 135.6776, 0.4885,
0.3684

 0.0000, 1.0000,
0.0000


 169.9057, 0.4765,


 0.0000, 0.0000,


0.3676

0.0000

 209.4545, 0.4659,
0.3667


 20.5185, 0.6105,
0.3534

 20.5185, 0.6105,
0.3534

 20.5095, 0.6106,
0.3534

 22.6728, 0.5854,
0.3621

 25.5657, 0.5519,
0.3677

 29.2720, 0.5132,
0.3689

 33.8505, 0.4735,
0.3666

 39.3545, 0.4362,
0.3619

■ 45.8323, 0.4029,
0.3556

■ 53.3292, 0.3741,
0.3488

■ 61.8872, 0.3499,
0.3419

■ 71.5462, 0.3295,
0.3352

Harmonies

Analogous

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



20.5185, 0.5718, 0.2738



20.5185, 0.6105, 0.3534



20.5185, 0.5443, 0.4524

Triad

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



20.5185, 0.6105, 0.3534



20.5185, 0.1744, 0.5332



20.5185, 0.1487, 0.1246

Complementary

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



20.5185, 0.6105, 0.3534



37.0415, 0.2016, 0.2456

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.



20.5185, 0.0975, 0.1324



20.5185, 0.6105, 0.3534



20.5185, 0.1021, 0.3131

Square

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



20.5185, 0.6105, 0.3534



20.5185, 0.2925, 0.6440



20.5185, 0.0823, 0.1828



20.5185, 0.2534, 0.1475

Rectangle

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



20.5185, 0.6105, 0.3534



20.5185, 0.4679, 0.5321



20.5185, 0.0823, 0.1828



20.5185, 0.1267, 0.1236

Sweetspot

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



20.5198, 0.6105, 0.3534



64.6232, 0.3747, 0.3489



20.7677, 0.3916, 0.1931



12.9751, 0.3863, 0.3518



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.



20.5198, 0.6105, 0.3534



24.8266, 0.6113, 0.3528



46.8596, 0.4768, 0.4596



15.6595, 0.3287, 0.3349



11.6917, 0.6080, 0.3554



1.0662, 0.5811, 0.3768

Inverse Universe

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



37.0415, 0.2016, 0.2456



44.8734, 0.2014, 0.2451



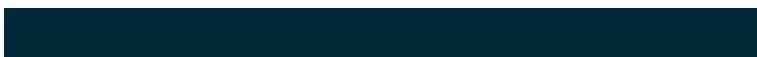
9.4410, 0.1584, 0.0901



16.4537, 0.2981, 0.3230



21.0159, 0.2019, 0.2470



1.7999, 0.2055, 0.2597

Previews

White Background



This preview shows how the Yxy color 20.5185, 0.6105, 0.3534 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 20.5185, 0.6105, 0.3534 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 20.5185, 0.6105, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 20.5185, 0.6105, 0.3534.



This preview shows how white text looks on a background with the Yxy color 20.5185, 0.6105, 0.3534.

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

20.5185, 0.6105, 0.3534

Protanopia

20.6636, 0.4301, 0.4767

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.5763, 0.5801, 0.3291

Trichromacy



Original Color

20.5185, 0.6105, 0.3534

Protanomaly

18.4618, 0.5121, 0.4214

Deuteranomaly

18.9885, 0.5345, 0.4138

Tritanomaly

20.5159, 0.5978, 0.3413

Monochromacy



Original Color

20.5185, 0.6105, 0.3534

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.7890, 0.4532, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5185, 0.6105, 0.3534 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, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 58, 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(234, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 58, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.5185, 0.6105, 0.3534 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, 58, 0) }
```

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

```
.border{ border-color:rgb(234, 58, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 58, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5185, 0.6105, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 58, 0) }
```

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

```
.background{ background-color: rgb(234, 58,  
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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