

Converting Colors

$Yxy(23.5514, 0.6204, 0.3446)$

Have a look what the booklet for
Yxy(23.5514, 0.6204, 0.3446)
contains.

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Color

Yxy(23.5478, 0.6204, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	FF3203
RGB	255, 50, 3
RGB Percent	100%, 20%, 1%
CMY	0.0000, 0.8038, 0.9889
CMYK	0.00, 0.80, 0.99, 0.00
HSL	11°, 100%, 51%
HSV	11°, 99%, 100%
XYZ	42.3942, 23.5478, 2.3917
YIQ	105.9370, 137.2670, 28.8430

Conversions

Conversions Part 2

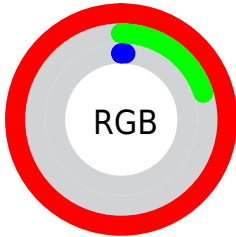
Format	Color
R_{YB}	255, 61, 3
Decimal	16724483
CIE _{Lab}	55.63, 73.27, 67.49
CIE _{LCh}	56, 99.615, 42.651
Yxy	23.5478, 0.6204, 0.3446
Android (android.graphics.Color)	4294914563 (0xFFFF3203)
YUV	105.9370, -50.7479, 130.7283
Hunter-Lab	48.5261, 71.0238, 31.0461

Details

The Yxy color **23.5478, 0.6204, 0.3446** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **52.2383, 0.2077, 0.2674**, and the grayscale version is **14.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8803, 0.5313, 0.3729**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.3518, 0.6226, 0.3438**, and if you desaturate by 10%, it is **25.8204, 0.5960, 0.3522**.

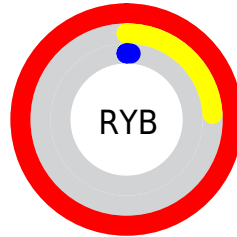
Distribution



Red (100%)

Green (20%)

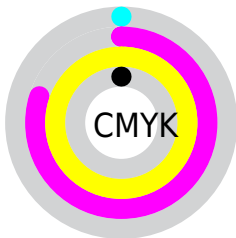
Blue (1%)



Red (100%)

Yellow (24%)

Blue (1%)

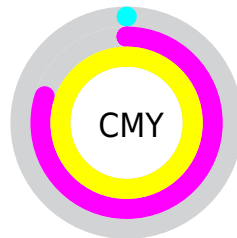


Cyan (0%)

Magenta (80%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5478, 0.6204, 0.3446 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 23.5478, 0.6204, 0.3446 by changing the saturation by 10% instead.


 23.5478, 0.6204,
0.3446


 23.5478, 0.6204,
0.3446


270.5263, 0.4654,
0.3627


 14.9985, 0.6523,
0.3305


 49.2913, 0.5680,
0.3587

 8.8183, 0.6906,
0.3094


 67.2542, 0.5468,
0.3617


 4.6229, 0.7264,
0.2736

 89.1239, 0.5283,
0.3633

 2.0277, 0.7755,
0.2245

 115.2846, 0.5123,
0.3641

 0.6235, 0.8492,
0.1508

 146.1208, 0.4983,
0.3642

 0.0000, 1.0000,
0.0000

 182.0169, 0.4860,


 0.0000, 0.0000,


0.3639


0.0000


 223.3573, 0.4751,
0.3634

 23.5478, 0.6204,
0.3446

 23.5478, 0.6204,
0.3446

 23.3518, 0.6226,
0.3438

 25.8204, 0.5960,
0.3522

 29.0892, 0.5609,
0.3572

 33.4631, 0.5196,
0.3587

 39.0327, 0.4772,
0.3571

 45.8785, 0.4376,
0.3536

■ 54.0742, 0.4027,
0.3488

■ 63.6876, 0.3730,
0.3436

■ 74.7818, 0.3483,
0.3383

■ 87.4162, 0.3278,
0.3332

Harmonies

Analogous

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



23.5478, 0.5733, 0.2654



23.5478, 0.6204, 0.3446



23.5478, 0.5553, 0.4436

Triad

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



23.5478, 0.6204, 0.3446



23.5478, 0.1758, 0.5580



23.5478, 0.1392, 0.1193

Complementary

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



23.5478, 0.6204, 0.3446



52.2383, 0.2077, 0.2674

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.



23.5478, 0.0907, 0.1292



23.5478, 0.6204, 0.3446



23.5478, 0.0993, 0.3247

Square

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



23.5478, 0.6204, 0.3446



23.5478, 0.2970, 0.6550



23.5478, 0.0774, 0.1835



23.5478, 0.2414, 0.1404

Rectangle

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



23.5478, 0.6204, 0.3446



23.5478, 0.4760, 0.5240



23.5478, 0.0774, 0.1835



23.5478, 0.1182, 0.1190

Sweetspot

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



23.5493, 0.6204, 0.3446



62.5570, 0.3761, 0.3442



25.9112, 0.3740, 0.1837



12.4989, 0.3882, 0.3464



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.



23.5493, 0.6204, 0.3446



23.3535, 0.6226, 0.3438



51.9781, 0.4892, 0.4492



18.5372, 0.3290, 0.3335



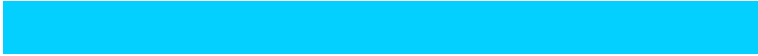
12.3592, 0.6203, 0.3457



1.3431, 0.6002, 0.3617

Inverse Universe

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



52.2383, 0.2077, 0.2674



51.9671, 0.2074, 0.2666



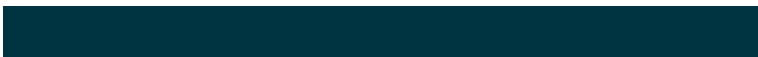
13.3745, 0.1620, 0.1024



19.8690, 0.2980, 0.3244



27.3613, 0.2077, 0.2678



2.8066, 0.2099, 0.2755

Previews

White Background



This preview shows how the Yxy color 23.5478, 0.6204, 0.3446 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 23.5478, 0.6204, 0.3446 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 23.5478, 0.6204, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 23.5478, 0.6204, 0.3446.



This preview shows how white text looks on a background with the Yxy color 23.5478, 0.6204, 0.3446.

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

23.5478, 0.6204, 0.3446

Protanopia

23.6332, 0.4294, 0.4754

Deuteranopia

23.5036, 0.4698, 0.4652



Tritanopia

23.5791, 0.5998, 0.3304

Trichromacy



Original Color

23.5478, 0.6204, 0.3446

Protanomaly

20.4460, 0.5200, 0.4133

Deuteranomaly

21.2052, 0.5427, 0.4068

Tritanomaly

23.5556, 0.6106, 0.3378

Monochromacy



Original Color

23.5478, 0.6204, 0.3446

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5465, 0.4636, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5478, 0.6204, 0.3446 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(255, 50, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 3)  
}
```

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(255, 50, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 3) }
```

Border

The CSS property to change the border of an element to Yxy 23.5478, 0.6204, 0.3446 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(255, 50, 3) }
```

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

```
.border{ border-color:rgb(255, 50, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 50, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5478, 0.6204, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 3) }
```

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

```
.background{ background-color: rgb(255, 50,  
3) }
```

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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