

Converting Colors

$Y_{xy}(23.3082, 0.6212, 0.3423)$

Have a look what the booklet for
Yxy(23.3082, 0.6212, 0.3423)
contains.

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Color

Yxy(23.3106, 0.6211, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F08
RGB	255, 47, 8
RGB Percent	100%, 18%, 3%
CMY	0.0000, 0.8159, 0.9685
CMYK	0.00, 0.82, 0.97, 0.00
HSL	9°, 100%, 52%
HSV	9°, 97%, 100%
XYZ	42.3092, 23.3106, 2.5000
YIQ	104.7460, 136.4870, 31.9670

Conversions

Conversions Part 2

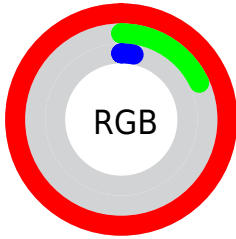
Format	Color
RYB	255, 54, 8
Decimal	16723720
CIELab	55.39, 74.05, 66.24
CIELCh	55, 99.357, 41.814
Yxy	23.3106, 0.6211, 0.3422
Android (android.graphics.Color)	4294913800 (0xFFFF2F08)
YUV	104.7460, -47.6958, 131.7728
Hunter-Lab	48.2811, 71.9297, 30.7267

Details

The Yxy color **23.3106, 0.6211, 0.3422** 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 **56.4279, 0.2111, 0.2788**, and the grayscale version is **14.1493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4519, 0.5316, 0.3697**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.7897, 0.6271, 0.3402**, and if you desaturate by 10%, it is **25.5588, 0.5951, 0.3488**.

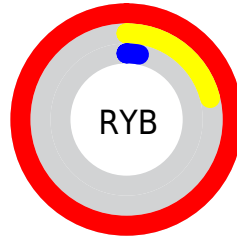
Distribution



Red (100%)

Green (18%)

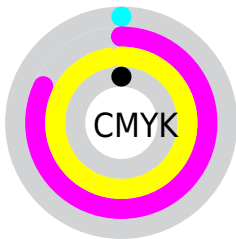
Blue (3%)



Red (100%)

Yellow (21%)

Blue (3%)

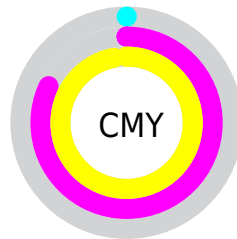


Cyan (0%)

Magenta (82%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3106, 0.6211, 0.3422 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 23.3106, 0.6211, 0.3422 by changing the saturation by 10% instead.


 23.3106, 0.6211,
0.3422

 23.3106, 0.6211,
0.3422


269.3163, 0.4649,
0.3611


 14.8230, 0.6535,
0.3280


 48.9028, 0.5680,
0.3564


 8.6953, 0.6931,
0.3069


 66.7763, 0.5466,
0.3596


 4.5430, 0.7292,
0.2708

 88.5471, 0.5281,
0.3613

 1.9817, 0.7788,
0.2212

 114.5998, 0.5120,
0.3621

 0.5968, 0.8541,
0.1459

 145.3186, 0.4979,
0.3623


 0.0000, 1.0000,
0.0000


 181.0881, 0.4855,


 0.0000, 0.0000,

0.3621

0.0000


 222.2925, 0.4746,
0.3617


 23.3106, 0.6211,
0.3422

 23.3106, 0.6211,
0.3422

 22.7897, 0.6271,
0.3402

 25.5588, 0.5951,
0.3488

 28.8730, 0.5580,
0.3527

 33.3628, 0.5151,
0.3537

 39.1267, 0.4719,
0.3522

 46.2528, 0.4320,
0.3490

■ 54.8211, 0.3974,
0.3448

■ 64.9054, 0.3681,
0.3404

■ 76.5744, 0.3440,
0.3359

■ 89.8926, 0.3242,
0.3317

Harmonies

Analogous

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



23.3106, 0.5702, 0.2632



23.3106, 0.6211, 0.3422



23.3106, 0.5582, 0.4403

Triad

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



23.3106, 0.6211, 0.3422



23.3106, 0.1787, 0.5642



23.3106, 0.1371, 0.1191

Complementary

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



23.3106, 0.6211, 0.3422



56.4279, 0.2111, 0.2788

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.



23.3106, 0.0898, 0.1299



23.3106, 0.6211, 0.3422



23.3106, 0.1005, 0.3304

Square

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



23.3106, 0.6211, 0.3422



23.3106, 0.3006, 0.6544



23.3106, 0.0774, 0.1859



23.3106, 0.2376, 0.1393

Rectangle

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



23.3106, 0.6211, 0.3422



23.3106, 0.4796, 0.5204



23.3106, 0.0774, 0.1859



23.3106, 0.1166, 0.1190

Sweetspot

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



23.3062, 0.6211, 0.3422



62.6065, 0.3740, 0.3414



26.4939, 0.3622, 0.1778



12.4696, 0.3863, 0.3433



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.



23.3062, 0.6211, 0.3422



22.7897, 0.6271, 0.3402



49.4904, 0.4957, 0.4429



18.4490, 0.3291, 0.3328



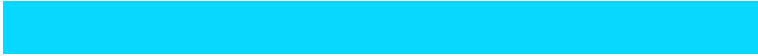
12.0442, 0.6250, 0.3419



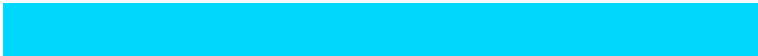
1.2997, 0.6061, 0.3569

Inverse Universe

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



56.4279, 0.2111, 0.2788



55.7299, 0.2103, 0.2770



15.3611, 0.1657, 0.1147



19.9652, 0.2980, 0.3252



29.3029, 0.2106, 0.2780



2.9783, 0.2123, 0.2844

Previews

White Background



This preview shows how the Yxy color 23.3106, 0.6211, 0.3422 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 23.3106, 0.6211, 0.3422 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 23.3106, 0.6211, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 23.3106, 0.6211, 0.3422.



This preview shows how white text looks on a background with the Yxy color 23.3106, 0.6211, 0.3422.

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

23.3106, 0.6211, 0.3422

Protanopia

23.3634, 0.4301, 0.4735

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.3186, 0.6040, 0.3303

Trichromacy



Original Color

23.3106, 0.6211, 0.3422

Protanomaly

20.2560, 0.5205, 0.4111

Deuteranomaly

20.8353, 0.5451, 0.4040

Tritanomaly

23.3129, 0.6124, 0.3362

Monochromacy



Original Color

23.3106, 0.6211, 0.3422

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.2564, 0.4625, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3106, 0.6211, 0.3422 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, 47, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 8)  
}
```

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, 47, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 8) }
```

Border

The CSS property to change the border of an element to Yxy 23.3106, 0.6211, 0.3422 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, 47, 8) }
```

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

```
.border{ border-color:rgb(255, 47, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 47, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 47, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3106, 0.6211, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 8) }
```

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

```
.background{ background-color: rgb(255, 47,  
8) }
```

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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