

Converting Colors

$Y_{xy}(23.1410, 0.6223, 0.3412)$

Have a look what the booklet for
Yxy(23.1410, 0.6223, 0.3412)
contains.

Yxy(23.1543, 0.6223, 0.3413)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1543, 0.6223, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	FF2D08
RGB	255, 45, 8
RGB Percent	100%, 18%, 3%
CMY	0.0001, 0.8233, 0.9692
CMYK	0.00, 0.82, 0.97, 0.00
HSL	9°, 100%, 52%
HSV	9°, 97%, 100%
XYZ	42.2178, 23.1543, 2.4694
YIQ	103.5720, 137.0370, 33.0130

Conversions

Conversions Part 2

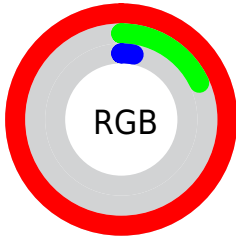
Format	Color
RYB	255, 52, 8
Decimal	16723208
CIELab	55.23, 74.47, 66.20
CIELCh	55, 99.637, 41.637
Yxy	23.1543, 0.6223, 0.3413
Android (android.graphics.Color)	4294913288 (0xFFFF2D08)
YUV	103.5720, -47.1170, 132.8024
Hunter-Lab	48.1189, 72.4012, 30.6405

Details

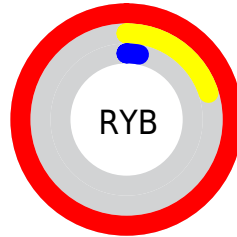
The Yxy color **23.1543, 0.6223, 0.3413** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **57.2955, 0.2117, 0.2811**, and the grayscale version is **13.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2300, 0.5326, 0.3688**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.6687, 0.6281, 0.3395**, and if you desaturate by 10%, it is **25.3500, 0.5966, 0.3476**.

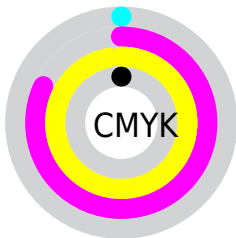
Distribution



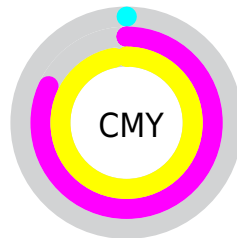
- Red (100%)
- Green (18%)
- Blue (3%)



- Red (100%)
- Yellow (20%)
- 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 23.1543, 0.6223, 0.3413 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 23.1543, 0.6223, 0.3413 by changing the saturation by 10% instead.


 23.1543, 0.6223,
0.3413


 23.1543, 0.6223,
0.3413


268.5165, 0.4654,
0.3608


 14.7075, 0.6548,
0.3269


 48.6466, 0.5690,
0.3558


 8.6143, 0.6944,
0.3056

 66.4608, 0.5475,
0.3590


 4.4905, 0.7309,
0.2691

 88.1663, 0.5289,
0.3608

 1.9516, 0.7808,
0.2192

 114.1474, 0.5127,
0.3617

 0.5791, 0.8572,
0.1428

 144.7887, 0.4985,
0.3619


 0.0000, 1.0000,
0.0000


 180.4743, 0.4861,


 0.0000, 0.0000,

0.3618

0.0000


 221.5888, 0.4752,
0.3614

 23.1543, 0.6223,
0.3413

 23.1543, 0.6223,
0.3413


 22.6687, 0.6281,
0.3395

 25.3500, 0.5966,
0.3476

 28.6131, 0.5595,
0.3515


 33.0627, 0.5164,
0.3526


 38.8000, 0.4729,
0.3512

 45.9154, 0.4328,
0.3481

 54.4907, 0.3978,
0.3442

 64.6017, 0.3685,
0.3399

 76.3186, 0.3442,
0.3357

 89.7074, 0.3243,
0.3316

Harmonies

Analogous

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



23.1543, 0.5706, 0.2623



23.1543, 0.6223, 0.3413



23.1543, 0.5595, 0.4396

Triad

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



23.1543, 0.6223, 0.3413



23.1543, 0.1785, 0.5669



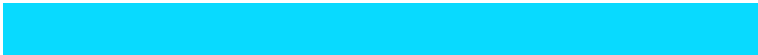
23.1543, 0.1362, 0.1184

Complementary

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



23.1543, 0.6223, 0.3413



57.2955, 0.2117, 0.2811

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.



23.1543, 0.0890, 0.1294



23.1543, 0.6223, 0.3413



23.1543, 0.1000, 0.3314

Square

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



23.1543, 0.6223, 0.3413



23.1543, 0.3008, 0.6557



23.1543, 0.0767, 0.1858



23.1543, 0.2365, 0.1385

Rectangle

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



23.1543, 0.6223, 0.3413



23.1543, 0.4803, 0.5197



23.1543, 0.0767, 0.1858



23.1543, 0.1157, 0.1184

Sweetspot

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



23.1558, 0.6223, 0.3413



62.3786, 0.3741, 0.3408



26.4851, 0.3622, 0.1778



12.4172, 0.3865, 0.3426



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.



23.1558, 0.6223, 0.3413



22.6716, 0.6281, 0.3395



49.4600, 0.4958, 0.4429



18.4283, 0.3291, 0.3326



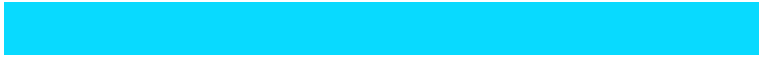
11.9776, 0.6261, 0.3411



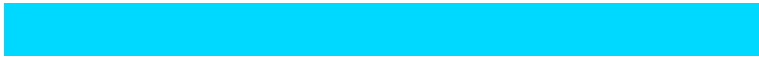
1.2900, 0.6075, 0.3558

Inverse Universe

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



57.2955, 0.2117, 0.2811



56.6423, 0.2110, 0.2795



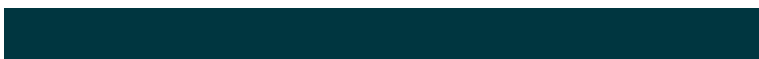
15.3369, 0.1656, 0.1145



19.9879, 0.2980, 0.3253



29.7734, 0.2112, 0.2803



3.0198, 0.2129, 0.2864

Previews

White Background



This preview shows how the Yxy color 23.1543, 0.6223, 0.3413 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 23.1543, 0.6223, 0.3413 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 23.1543, 0.6223, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 23.1543, 0.6223, 0.3413.



This preview shows how white text looks on a background with the Yxy color 23.1543, 0.6223, 0.3413.

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

23.1543, 0.6223, 0.3413

Protanopia

23.2689, 0.4289, 0.4743

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.1478, 0.6074, 0.3308

Trichromacy



Original Color

23.1543, 0.6223, 0.3413

Protanomaly

20.0606, 0.5220, 0.4099

Deuteranomaly

20.6981, 0.5443, 0.4046

Tritanomaly

23.1501, 0.6147, 0.3359

Monochromacy



Original Color

23.1543, 0.6223, 0.3413

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.9871, 0.4638, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1543, 0.6223, 0.3413 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, 45, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 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, 45, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 8) }
```

Border

The CSS property to change the border of an element to Yxy 23.1543, 0.6223, 0.3413 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, 45, 8) }
```

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

```
.border{ border-color:rgb(255, 45, 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, 45, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 45, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1543, 0.6223, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 8) }
```

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

```
.background{ background-color: rgb(255, 45,  
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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