

Converting Colors

$Yxy(24.3144, 0.6129, 0.3481)$

Have a look what the booklet for
Yxy(24.3144, 0.6129, 0.3481)
contains.

Yxy(24.3080, 0.6130, 0.3481)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(24.3080, 0.6130, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	FF3A0A
RGB	255, 58, 10
RGB Percent	100%, 23%, 4%
CMY	0.0000, 0.7724, 0.9617
CMYK	0.00, 0.77, 0.96, 0.00
HSL	12°, 100%, 52%
HSV	12°, 96%, 100%
XYZ	42.8061, 24.3080, 2.7164
YIQ	111.4310, 132.8200, 26.8360

Conversions

Conversions Part 2

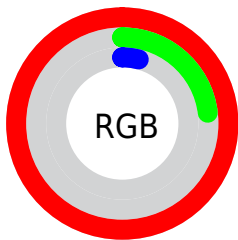
Format	Color
R_{YB}	255, 70, 10
Decimal	16726538
CIE _{Lab}	56.39, 71.21, 66.38
CIE _{LCh}	56, 97.352, 42.988
Yxy	24.3080, 0.6130, 0.3481
Android (android.graphics.Color)	4294916618 (0xFFFF3A0A)
YUV	111.4310, -50.0055, 125.9100
Hunter-Lab	49.3031, 68.6972, 31.2456

Details

The Yxy color **24.3080, 0.6130, 0.3481** 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 **51.7853, 0.2076, 0.2660**, and the grayscale version is **16.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3400, 0.5224, 0.3761**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.5555, 0.6210, 0.3451**, and if you desaturate by 10%, it is **26.9036, 0.5855, 0.3555**.

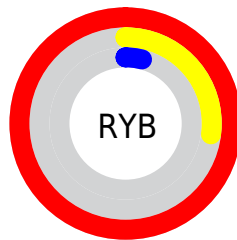
Distribution



Red (100%)

Green (23%)

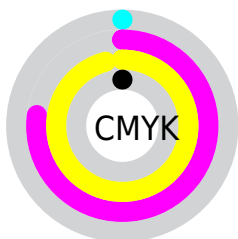
Blue (4%)



Red (100%)

Yellow (27%)

Blue (4%)

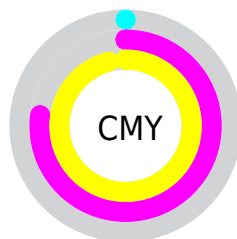


Cyan (0%)

Magenta (77%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (77%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3080, 0.6130, 0.3481 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 24.3080, 0.6130, 0.3481 by changing the saturation by 10% instead.


 24.3080, 0.6130,
0.3481


 24.3080, 0.6130,
0.3481


274.3739, 0.4614,
0.3630


 15.5623, 0.6444,
0.3351


 50.5323, 0.5615,
0.3606

 9.2149, 0.6838,
0.3162


 68.7797, 0.5407,
0.3632

 4.8816, 0.7184,
0.2816

 90.9631, 0.5227,
0.3645

 2.1780, 0.7659,
0.2341

 117.4669, 0.5071,
0.3649

 0.7080, 0.8352,
0.1648

 148.6755, 0.4935,
0.3648

 0.0000, 1.0000,
0.0000


 184.9733, 0.4815,


 0.0000, 0.0000,


0.3644


0.0000


 226.7446, 0.4709,
0.3638

 24.3080, 0.6130,
0.3481


 24.3080, 0.6130,
0.3481

 23.5555, 0.6210,
0.3451

 26.9036, 0.5855,
0.3555

 30.5157, 0.5483,
0.3595

 35.2421, 0.5066,
0.3601

 41.1672, 0.4651,
0.3577

 48.3668, 0.4270,
0.3535

56.9106, 0.3938,
0.3483

66.8628, 0.3656,
0.3428

78.2837, 0.3422,
0.3373

91.2299, 0.3229,
0.3320

Harmonies

Analogous

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



24.3080, 0.5668, 0.2689



24.3080, 0.6130, 0.3481



24.3080, 0.5497, 0.4450

Triad

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



24.3080, 0.6130, 0.3481



24.3080, 0.1795, 0.5468



24.3080, 0.1438, 0.1234

Complementary

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



24.3080, 0.6130, 0.3481



51.7853, 0.2076, 0.2660

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.



24.3080, 0.0950, 0.1332



24.3080, 0.6130, 0.3481



24.3080, 0.1038, 0.3238

Square

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



24.3080, 0.6130, 0.3481



24.3080, 0.2992, 0.6451



24.3080, 0.0817, 0.1869



24.3080, 0.2452, 0.1447

Rectangle

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



24.3080, 0.6130, 0.3481



24.3080, 0.4750, 0.5250



24.3080, 0.0817, 0.1869



24.3080, 0.1228, 0.1230

Sweetspot

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



24.3095, 0.6130, 0.3481



63.8982, 0.3731, 0.3444



26.1266, 0.3722, 0.1835



12.7679, 0.3851, 0.3467



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.



24.3095, 0.6130, 0.3481



23.5562, 0.6210, 0.3451



52.8607, 0.4861, 0.4502



18.5655, 0.3289, 0.3337



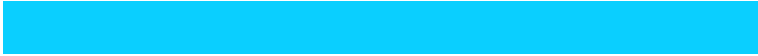
12.4716, 0.6186, 0.3470



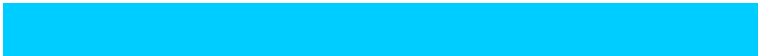
1.3579, 0.5982, 0.3632

Inverse Universe

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



51.7853, 0.2076, 0.2660



50.7990, 0.2065, 0.2633



14.1689, 0.1638, 0.1074



19.8383, 0.2980, 0.3242



26.7581, 0.2068, 0.2645



2.7530, 0.2091, 0.2726

Previews

White Background



This preview shows how the Yxy color 24.3080, 0.6130, 0.3481 looks on a white background.

Color Contrast Check

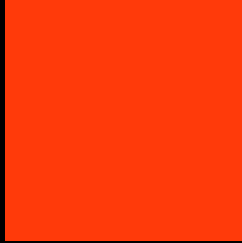
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3080, 0.6130, 0.3481 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 24.3080, 0.6130, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 24.3080, 0.6130, 0.3481.



This preview shows how white text looks on a background with the Yxy color 24.3080, 0.6130, 0.3481.

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

24.3080, 0.6130, 0.3481

Protanopia

24.3880, 0.4290, 0.4753

Tritanopia

24.3739, 0.5868, 0.3298

Trichromacy



Original Color

24.3080, 0.6130, 0.3481

Protanomaly

21.6099, 0.5122, 0.4175

Tritanomaly

24.3327, 0.6003, 0.3391

Monochromacy



Original Color

24.3080, 0.6130, 0.3481

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9352, 0.4522, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3080, 0.6130, 0.3481 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, 58, 10)` looks like.

```
.text, #text, p{  
  color:rgb(255, 58, 10)  
}
```

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, 58, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 10) }
```

Border

The CSS property to change the border of an element to Yxy 24.3080, 0.6130, 0.3481 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, 58, 10) }
```

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

```
.border{ border-color:rgb(255, 58, 10) }
```

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

Here you see how a box with a 4 pixel rgb(255, 58, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
10) }
```

Background

The CSS property to change the background color of an element to Yxy 24.3080, 0.6130, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 10) }
```

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

```
.background{ background-color: rgb(255, 58,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor