

Converting Colors

Yxy(24.1658, 0.6067, 0.3419)

Have a look what the booklet for
Yxy(24.1658, 0.6067, 0.3419)
contains.

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Color

Yxy(24.1821, 0.6066, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	FF381E
RGB	255, 56, 30
RGB Percent	100%, 22%, 12%
CMY	0.0000, 0.7804, 0.8824
CMYK	0.00, 0.78, 0.88, 0.00
HSL	7°, 100%, 56%
HSV	7°, 88%, 100%
XYZ	42.8914, 24.1821, 3.6344
YIQ	112.5370, 126.9500, 34.1020

Conversions

Conversions Part 2

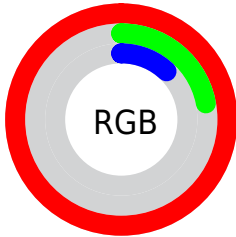
Format	Color
R_{YB}	255, 59, 30
Decimal	16726046
CIE Lab	56.27, 72.01, 60.21
CIE LCh	56, 93.861, 39.900
Yxy	24.1821, 0.6066, 0.3420
Android (android.graphics.Color)	4294916126 (0xFFFF381E)
YUV	112.5370, -40.6907, 124.9401
Hunter-Lab	49.1753, 69.6335, 30.0408

Details

The Yxy color **24.1821, 0.6066, 0.3420** 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 **63.5298, 0.2172, 0.2961**, and the grayscale version is **16.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0328, 0.5130, 0.3647**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.3823, 0.6294, 0.3368**, and if you desaturate by 10%, it is **27.0676, 0.5708, 0.3456**.

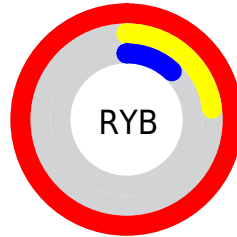
Distribution



Red (100%)

Green (22%)

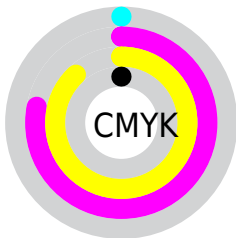
Blue (12%)



Red (100%)

Yellow (23%)

Blue (12%)

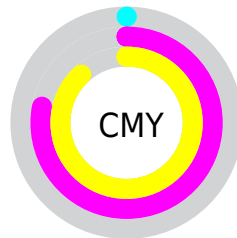


Cyan (0%)

Magenta (78%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1821, 0.6066, 0.3420 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 24.1821, 0.6066, 0.3420 by changing the saturation by 10% instead.


 24.1821, 0.6066,
0.3420


 24.1821, 0.6066,
0.3420


273.7398, 0.4552,
0.3569


 15.4688, 0.6397,
0.3299


 50.3272, 0.5538,
0.3537


 9.1490, 0.6821,
0.3123


 68.5277, 0.5330,
0.3562

 4.8385, 0.7208,
0.2792

 90.6595, 0.5152,
0.3575

 2.1528, 0.7687,
0.2313

 117.1068, 0.4998,
0.3581

 0.6941, 0.8386,
0.1614

 148.2541, 0.4864,
0.3582

 0.0000, 1.0000,
0.0000


 184.4858, 0.4747,


 0.0000, 0.0000,

0.3579

0.0000

 226.1862, 0.4643,
0.3575


 24.1821, 0.6066,
0.3420


 24.1821, 0.6066,
0.3420


 22.3823, 0.6294,
0.3368

 27.0676, 0.5708,
0.3456

 22.1622, 0.6323,
0.3361

 31.1810, 0.5273,
0.3469


 36.6395, 0.4822,
0.3462

 43.5471, 0.4402,
0.3441

 51.9974, 0.4036,
0.3411

 62.0760, 0.3728,
0.3379

 73.8625, 0.3474,
0.3346

 87.4309, 0.3268,
0.3314

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.1821, 0.5468, 0.2638



24.1821, 0.6066, 0.3420



24.1821, 0.5546, 0.4342

Triad

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



24.1821, 0.6066, 0.3420



24.1821, 0.1954, 0.5575



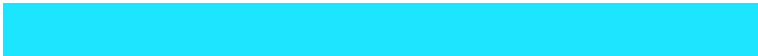
24.1821, 0.1407, 0.1272

Complementary

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



24.1821, 0.6066, 0.3420



63.5298, 0.2172, 0.2961

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.



24.1821, 0.0964, 0.1408



24.1821, 0.6066, 0.3420



24.1821, 0.1140, 0.3449

Square

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



24.1821, 0.6066, 0.3420



24.1821, 0.3156, 0.6325



24.1821, 0.0867, 0.2006



24.1821, 0.2343, 0.1451

Rectangle

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



24.1821, 0.6066, 0.3420



24.1821, 0.4854, 0.5099



24.1821, 0.0867, 0.2006



24.1821, 0.1214, 0.1279

Sweetspot

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



24.1817, 0.6066, 0.3420



64.5651, 0.3666, 0.3371



28.0425, 0.3445, 0.1715



13.0035, 0.3762, 0.3383



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.



24.1817, 0.6066, 0.3420



22.1622, 0.6323, 0.3361



48.2622, 0.4956, 0.4354



18.3250, 0.3292, 0.3318



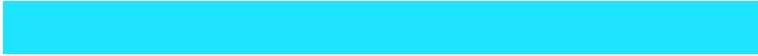
11.6867, 0.6306, 0.3375



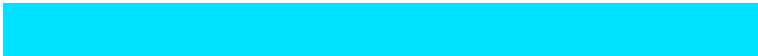
1.2416, 0.6145, 0.3503

Inverse Universe

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



63.5298, 0.2172, 0.2961



61.3550, 0.2143, 0.2914



20.9270, 0.1763, 0.1458



20.1017, 0.2980, 0.3262



32.2022, 0.2145, 0.2921



3.2328, 0.2157, 0.2967

Previews

White Background



This preview shows how the Yxy color 24.1821, 0.6066, 0.3420 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 24.1821, 0.6066, 0.3420 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 24.1821, 0.6066, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 24.1821, 0.6066, 0.3420.



This preview shows how white text looks on a background with the Yxy color 24.1821, 0.6066, 0.3420.

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

24.1821, 0.6066, 0.3420

Protanopia

24.1290, 0.4186, 0.4595

Deuteranopia

24.0963, 0.4717, 0.4637



Tritanopia

24.1647, 0.5900, 0.3298

Trichromacy



Original Color

24.1821, 0.6066, 0.3420

Protanomaly

21.2941, 0.5034, 0.4037

Deuteranomaly

22.0835, 0.5372, 0.4067

Tritanomaly

24.1818, 0.5972, 0.3352

Monochromacy



Original Color

24.1821, 0.6066, 0.3420

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2782, 0.4410, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1821, 0.6066, 0.3420 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, 56, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 30)  
}
```

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, 56, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 30) }
```

Border

The CSS property to change the border of an element to Yxy 24.1821, 0.6066, 0.3420 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, 56, 30) }
```

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

```
.border{ border-color:rgb(255, 56, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1821, 0.6066, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 30) }
```

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

```
.background{ background-color: rgb(255, 56,  
30) }
```

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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