

Converting Colors

$Y_{xy}(24.6902, 0.6014, 0.3439)$

Have a look what the booklet for
Yxy(24.6902, 0.6014, 0.3439)
contains.

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Color

Yxy(24.7073, 0.6013, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	FF3D21
RGB	255, 61, 33
RGB Percent	100%, 24%, 13%
CMY	0.0000, 0.7608, 0.8707
CMYK	0.00, 0.76, 0.87, 0.00
HSL	8°, 100%, 56%
HSV	8°, 87%, 100%
XYZ	43.1875, 24.7073, 3.9287
YIQ	115.8140, 124.6120, 32.4200

Conversions

Conversions Part 2

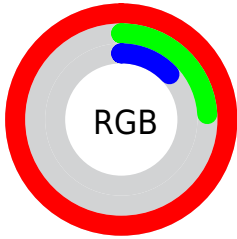
Format	Color
R_{YB}	255, 65, 33
Decimal	16727329
CIE _{Lab}	56.79, 70.65, 59.41
CIE _{LCh}	57, 92.307, 40.061
Yxy	24.7073, 0.6013, 0.3440
Android (android.graphics.Color)	4294917409 (0xFFFF3D21)
YUV	115.8140, -40.8273, 122.0661
Hunter-Lab	49.7064, 68.1037, 30.1083

Details

The Yxy color **24.7073, 0.6013, 0.3440** 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 **62.4673, 0.2168, 0.2935**, and the grayscale version is **17.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0505, 0.5067, 0.3662**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.7082, 0.6260, 0.3385**, and if you desaturate by 10%, it is **27.7980, 0.5643, 0.3476**.

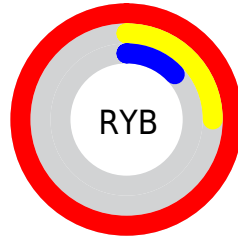
Distribution



Red (100%)

Green (24%)

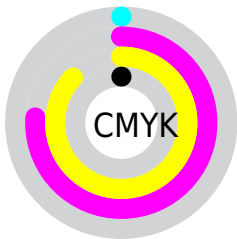
Blue (13%)



Red (100%)

Yellow (25%)

Blue (13%)

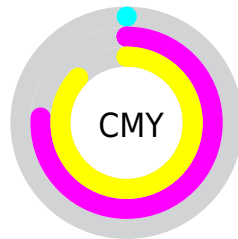


Cyan (0%)

Magenta (76%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (76%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7073, 0.6013, 0.3440 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 24.7073, 0.6013, 0.3440 by changing the saturation by 10% instead.


 24.7073, 0.6013,
0.3440


 24.7073, 0.6013,
0.3440


276.3771, 0.4525,
0.3570


 15.8591, 0.6341,
0.3327


 51.1820, 0.5493,
0.3548

 9.4245, 0.6750,
0.3156


 69.5773, 0.5288,
0.3570

 5.0191, 0.7155,
0.2845

 91.9237, 0.5113,
0.3581

 2.2585, 0.7623,
0.2377

 118.6057, 0.4962,
0.3585

 0.7516, 0.8297,
0.1703

 150.0077, 0.4831,
0.3585

 0.0000, 1.0000,
0.0000

 186.5139, 0.4716,

 0.0000, 0.0000,


0.3581


0.0000


 228.5090, 0.4615,
0.3576


 24.7073, 0.6013,
0.3440


 24.7073, 0.6013,
0.3440


 22.7082, 0.6260,
0.3385


 27.7980, 0.5643,
0.3476


 22.3030, 0.6311,
0.3371

 32.1151, 0.5205,
0.3486


 37.7686, 0.4760,
0.3476

 44.8571, 0.4350,
0.3451

 53.4698, 0.3993,
0.3418

 63.6888, 0.3693,
0.3382

 75.5903, 0.3447,
0.3347

 89.2453, 0.3246,
0.3313

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.



24.7073, 0.5423, 0.2660



24.7073, 0.6013, 0.3440



24.7073, 0.5511, 0.4352

Triad

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



24.7073, 0.6013, 0.3440



24.7073, 0.1980, 0.5501



24.7073, 0.1437, 0.1301

Complementary

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



24.7073, 0.6013, 0.3440



62.4673, 0.2168, 0.2935

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.



24.7073, 0.0994, 0.1437



24.7073, 0.6013, 0.3440



24.7073, 0.1172, 0.3442

Square

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



24.7073, 0.6013, 0.3440



24.7073, 0.3170, 0.6261



24.7073, 0.0898, 0.2031



24.7073, 0.2367, 0.1480

Rectangle

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



24.7073, 0.6013, 0.3440



24.7073, 0.4831, 0.5088



24.7073, 0.0898, 0.2031



24.7073, 0.1245, 0.1308

Sweetspot

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



24.7057, 0.6013, 0.3440



64.8846, 0.3664, 0.3379



28.0081, 0.3483, 0.1744



13.0770, 0.3760, 0.3391



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.



24.7057, 0.6013, 0.3440



22.3030, 0.6311, 0.3371



50.0762, 0.4896, 0.4389



18.3563, 0.3291, 0.3321



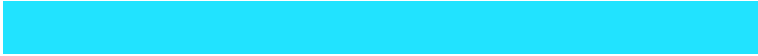
11.7678, 0.6293, 0.3385



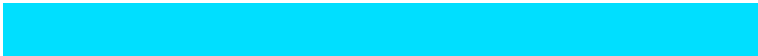
1.2563, 0.6123, 0.3520

Inverse Universe

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



62.4673, 0.2168, 0.2935



59.8964, 0.2133, 0.2878



20.5177, 0.1761, 0.1436



20.0671, 0.2980, 0.3259



31.4507, 0.2135, 0.2885



3.1670, 0.2149, 0.2936

Previews

White Background



This preview shows how the Yxy color 24.7073, 0.6013, 0.3440 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 24.7073, 0.6013, 0.3440 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 24.7073, 0.6013, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 24.7073, 0.6013, 0.3440.



This preview shows how white text looks on a background with the Yxy color 24.7073, 0.6013, 0.3440.

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

24.7073, 0.6013, 0.3440

Protanopia

24.8057, 0.4163, 0.4591

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.7142, 0.5810, 0.3292

Trichromacy



Original Color

24.7073, 0.6013, 0.3440

Protanomaly

21.9379, 0.4979, 0.4059

Deuteranomaly

22.8262, 0.5335, 0.4094

Tritanomaly

24.7220, 0.5897, 0.3357

Monochromacy



Original Color

24.7073, 0.6013, 0.3440

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2531, 0.4357, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7073, 0.6013, 0.3440 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, 61, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 33)  
}
```

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, 61, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 33) }
```

Border

The CSS property to change the border of an element to Yxy 24.7073, 0.6013, 0.3440 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, 61, 33) }
```

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

```
.border{ border-color:rgb(255, 61, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 61, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7073, 0.6013, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 33) }
```

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

```
.background{ background-color: rgb(255, 61,  
33) }
```

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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