

Converting Colors

$Y_{xy}(24.7905, 0.6054, 0.3480)$

Have a look what the booklet for
Yxy(24.7905, 0.6054, 0.3480)
contains.

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Color

Yxy(24.7671, 0.6056, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	FF3E17
RGB	255, 62, 23
RGB Percent	100%, 24%, 9%
CMY	0.0000, 0.7570, 0.9098
CMYK	0.00, 0.76, 0.91, 0.00
HSL	10°, 100%, 55%
HSV	10°, 91%, 100%
XYZ	43.1252, 24.7671, 3.3184
YIQ	115.2610, 127.5470, 28.7870

Conversions

Conversions Part 2

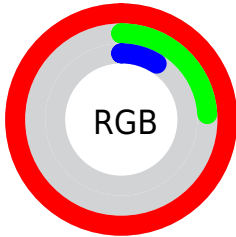
Format	Color
RYB	255, 70, 23
Decimal	16727575
CIELab	56.85, 70.21, 63.13
CIELCh	57, 94.417, 41.959
Yxy	24.7671, 0.6056, 0.3478
Android (android.graphics.Color)	4294917655 (0xFFFF3E17)
YUV	115.2610, -45.4847, 122.5511
Hunter-Lab	49.7666, 67.5878, 30.8831

Details

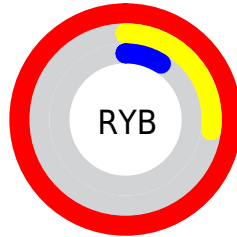
The Yxy color **24.7671, 0.6056, 0.3478** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **56.5353, 0.2119, 0.2788**, and the grayscale version is **17.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1833, 0.5130, 0.3733**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.9748, 0.6256, 0.3414**, and if you desaturate by 10%, it is **27.6921, 0.5725, 0.3532**.

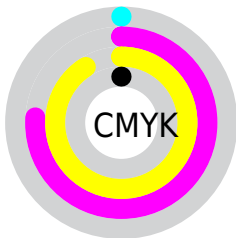
Distribution



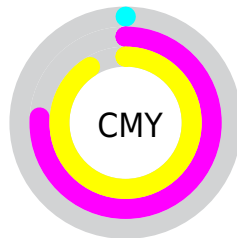
- Red (100%)
- Green (24%)
- Blue (9%)



- Red (100%)
- Yellow (27%)
- Blue (9%)



- Cyan (0%)
- Magenta (76%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (76%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7671, 0.6056, 0.3478 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 24.7671, 0.6056, 0.3478 by changing the saturation by 10% instead.


 24.7671, 0.6056,
0.3478


 24.7671, 0.6056,
0.3478


276.6761, 0.4564,
0.3607


 15.9036, 0.6375,
0.3359


 51.2791, 0.5542,
0.3590

 9.4560, 0.6797,
0.3194


 69.6965, 0.5337,
0.3612


 5.0398, 0.7142,
0.2858


 92.0673, 0.5161,
0.3623

 2.2706, 0.7609,
0.2391

 118.7758, 0.5008,
0.3626

 0.7581, 0.8280,
0.1720

 150.2066, 0.4875,
0.3625

 0.0000, 1.0000,
0.0000


 186.7440, 0.4758,


 0.0000, 0.0000,

0.3621

0.0000


 228.7723, 0.4655,
0.3614


 24.7671, 0.6056,
0.3478


 24.7671, 0.6056,
0.3478


 22.9748, 0.6256,
0.3414

 27.6921, 0.5725,
0.3532

 31.7359, 0.5315,
0.3554

 36.9948, 0.4882,
0.3547

 43.5573, 0.4471,
0.3518

 51.5035, 0.4105,
0.3477

60.9070, 0.3793,
0.3431

71.8361, 0.3533,
0.3383

84.3549, 0.3318,
0.3337

98.5236, 0.3143,
0.3294

Harmonies

Analogous

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



24.7671, 0.5545, 0.2692



24.7671, 0.6056, 0.3478



24.7671, 0.5482, 0.4416

Triad

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



24.7671, 0.6056, 0.3478



24.7671, 0.1883, 0.5441



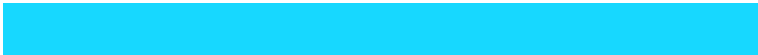
24.7671, 0.1455, 0.1277

Complementary

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



24.7671, 0.6056, 0.3478



56.5353, 0.2119, 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.



24.7671, 0.0985, 0.1389



24.7671, 0.6056, 0.3478



24.7671, 0.1108, 0.3316

Square

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



24.7671, 0.6056, 0.3478



24.7671, 0.3072, 0.6337



24.7671, 0.0866, 0.1946



24.7671, 0.2431, 0.1477

Rectangle

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



24.7671, 0.6056, 0.3478



24.7671, 0.4770, 0.5177



24.7671, 0.0866, 0.1946



24.7671, 0.1252, 0.1277

Sweetspot

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



24.7633, 0.6056, 0.3478



65.0681, 0.3683, 0.3412



26.8482, 0.3639, 0.1810



13.1596, 0.3777, 0.3428



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.



24.7633, 0.6056, 0.3478



22.9748, 0.6256, 0.3414



53.0310, 0.4839, 0.4482



18.4798, 0.3290, 0.3331



12.1481, 0.6234, 0.3432



1.3143, 0.6041, 0.3585

Inverse Universe

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



56.5353, 0.2119, 0.2788



54.3961, 0.2093, 0.2734



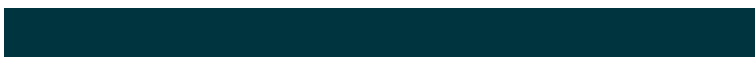
16.5815, 0.1689, 0.1218



19.9316, 0.2980, 0.3249



28.6149, 0.2096, 0.2744



2.9176, 0.2115, 0.2813

Previews

White Background



This preview shows how the Yxy color 24.7671, 0.6056, 0.3478 looks on a white background.

Color Contrast Check

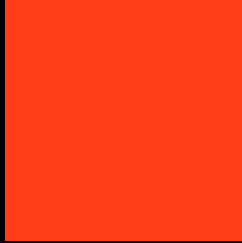
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7671, 0.6056, 0.3478 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 24.7671, 0.6056, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 24.7671, 0.6056, 0.3478.



This preview shows how white text looks on a background with the Yxy color 24.7671, 0.6056, 0.3478.

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

24.7671, 0.6056, 0.3478

Protanopia

24.8237, 0.4241, 0.4683

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.8286, 0.5793, 0.3292

Trichromacy



Original Color

24.7671, 0.6056, 0.3478

Protanomaly

22.2145, 0.5048, 0.4138

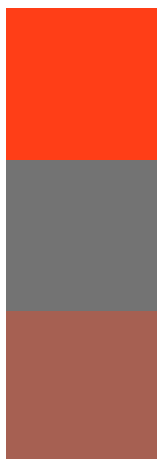
Deuteranomaly

22.8172, 0.5345, 0.4103

Tritanomaly

24.8027, 0.5915, 0.3379

Monochromacy



Original Color

24.7671, 0.6056, 0.3478

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0819, 0.4404, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7671, 0.6056, 0.3478 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, 62, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 23)  
}
```

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, 62, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 23) }
```

Border

The CSS property to change the border of an element to Yxy 24.7671, 0.6056, 0.3478 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, 62, 23) }
```

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

```
.border{ border-color:rgb(255, 62, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 62, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7671, 0.6056, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 23) }
```

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

```
.background{ background-color: rgb(255, 62,  
23) }
```

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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