

Converting Colors

$Y_{xy}(24.6861, 0.5689, 0.3525)$

Have a look what the booklet for
Yxy(24.6861, 0.5689, 0.3525)
contains.

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Color

Yxy(24.8280, 0.5691, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	F25030
RGB	242, 80, 48
RGB Percent	95%, 31%, 19%
CMY	0.0509, 0.6864, 0.8118
CMYK	0.00, 0.67, 0.80, 0.05
HSL	10°, 88%, 57%
HSV	10°, 80%, 95%
XYZ	40.0272, 24.8280, 5.4790
YIQ	124.7900, 106.8240, 24.3920

Conversions

Conversions Part 2

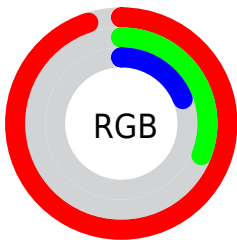
Format	Color
R_{YB}	242, 86, 48
Decimal	15880240
CIE _{Lab}	56.91, 60.52, 51.86
CIE _{LCh}	57, 79.706, 40.595
Yxy	24.8280, 0.5691, 0.3530
Android (android.graphics.Color)	4294070320 (0xFFFF25030)
YUV	124.7900, -37.8575, 102.7932
Hunter-Lab	49.8277, 56.1929, 28.3599

Details

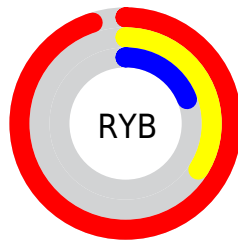
The Yxy color **24.8280, 0.5691, 0.3530** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **53.1597, 0.2171, 0.2864**, and the grayscale version is **20.5344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0144, 0.4818, 0.3683**, and **9.4339, 0.6383, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **22.1541, 0.6032, 0.3480**, and if you desaturate by 10%, it is **28.5037, 0.5276, 0.3549**.

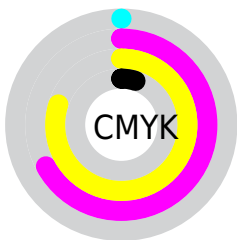
Distribution



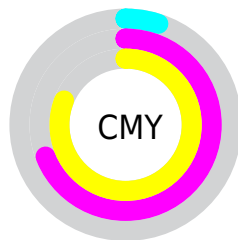
- Red (95%)
- Green (31%)
- Blue (19%)



- Red (95%)
- Yellow (34%)
- Blue (19%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (5%)





- Cyan (5%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8280, 0.5691, 0.3530 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 24.8280, 0.5691, 0.3530 by changing the saturation by 10% instead.


 24.8280, 0.5691,
0.3530


 24.8280, 0.5691,
0.3530


276.9803, 0.4337,
0.3561


 15.9490, 0.6010,
0.3455


 51.3781, 0.5203,
0.3589


 9.4880, 0.6393,
0.3319


 69.8178, 0.5016,
0.3596


 5.0609, 0.6897,
0.3103

 92.2134, 0.4858,
0.3596

 2.2830, 0.7341,
0.2659

 118.9490, 0.4723,
0.3592

 0.7647, 0.8007,
0.1993

 150.4091, 0.4606,
0.3586

 0.0000, 1.0000,
0.0000

 186.9781, 0.4505,

 0.0000, 0.0000,

0.3578

0.0000

229.0403, 0.4416,
0.3570

■ 24.8280, 0.5691,
0.3530

■ 24.8280, 0.5691,
0.3530

■ 22.1541, 0.6032,
0.3480

■ 28.5037, 0.5276,
0.3549

■ 20.3919, 0.6257,
0.3413


■ 33.2648, 0.4844,
0.3540

■ 39.1908, 0.4436,
0.3511


■ 46.3523, 0.4075,
0.3470

■ 54.8145, 0.3768,
0.3424

 64.6377, 0.3513,
0.3378

 75.8785, 0.3302,
0.3333

 88.5904, 0.3130,
0.3291

 97.6220, 0.3048,
0.3290

Harmonies

Analogous

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



24.8280, 0.5142, 0.2775



24.8280, 0.5691, 0.3530



24.8280, 0.5309, 0.4382

Triad

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



24.8280, 0.5691, 0.3530



24.8280, 0.2142, 0.5118



24.8280, 0.1615, 0.1482

Complementary

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



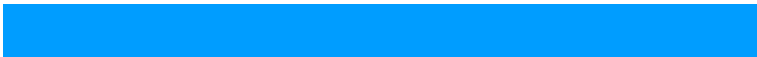
24.8280, 0.5691, 0.3530



53.1597, 0.2171, 0.2864

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.



24.8280, 0.1182, 0.1620



24.8280, 0.5691, 0.3530



24.8280, 0.1378, 0.3427

Square

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



24.8280, 0.5691, 0.3530



24.8280, 0.3245, 0.5865



24.8280, 0.1095, 0.2188



24.8280, 0.2487, 0.1655

Rectangle

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



24.8280, 0.5691, 0.3530



24.8280, 0.4724, 0.5009



24.8280, 0.1095, 0.2188



24.8280, 0.1428, 0.1491

Sweetspot

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



24.8295, 0.5691, 0.3530



68.2775, 0.3607, 0.3396



25.7963, 0.3530, 0.1833



13.7767, 0.3699, 0.3412



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.



24.8295, 0.5691, 0.3530



23.6102, 0.6182, 0.3438



49.4133, 0.4700, 0.4439



16.1796, 0.3289, 0.3330



11.0826, 0.6236, 0.3431



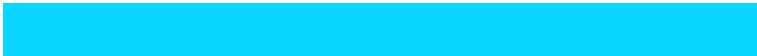
1.0443, 0.6007, 0.3612

Inverse Universe

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



53.1597, 0.2171, 0.2864



55.7123, 0.2107, 0.2769



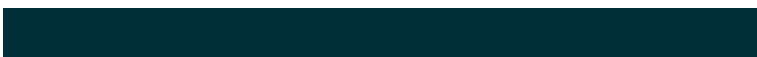
19.5111, 0.1813, 0.1506



17.4595, 0.2981, 0.3250



26.3388, 0.2099, 0.2757



2.3079, 0.2121, 0.2834

Previews

White Background



This preview shows how the Yxy color 24.8280, 0.5691, 0.3530 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 24.8280, 0.5691, 0.3530 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 24.8280, 0.5691, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 24.8280, 0.5691, 0.3530.



This preview shows how white text looks on a background with the Yxy color 24.8280, 0.5691, 0.3530.

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

24.8280, 0.5691, 0.3530

Protanopia

24.9369, 0.4059, 0.4436

Deuteranopia

24.8514, 0.4588, 0.4509



Tritanopia

24.8028, 0.5393, 0.3263

Trichromacy



Original Color

24.8280, 0.5691, 0.3530

Protanomaly

23.1106, 0.4726, 0.4043

Deuteranomaly

23.6051, 0.5056, 0.4089

Tritanomaly

24.7798, 0.5528, 0.3369

Monochromacy



Original Color

24.8280, 0.5691, 0.3530

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1252, 0.4110, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8280, 0.5691, 0.3530 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(242, 80, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 80, 48)  
}
```

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(242, 80, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 80, 48) }
```

Border

The CSS property to change the border of an element to Yxy 24.8280, 0.5691, 0.3530 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(242, 80, 48) }
```

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

```
.border{ border-color:rgb(242, 80, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 80, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 80, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 80, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 80,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8280, 0.5691, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 80, 48) }
```

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

```
.background{ background-color: rgb(242, 80,  
48) }
```

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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