

Converting Colors

$Y_{xy}(25.3064, 0.5851, 0.3385)$

Have a look what the booklet for
Yxy(25.3064, 0.5851, 0.3385)
contains.

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Color

Yxy(25.2796, 0.5853, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	FF4133
RGB	255, 65, 51
RGB Percent	100%, 25%, 20%
CMY	0.0000, 0.7450, 0.8002
CMYK	0.00, 0.74, 0.80, 0.00
HSL	4°, 100%, 60%
HSV	4°, 80%, 100%
XYZ	43.7238, 25.2796, 5.6999
YIQ	120.2140, 117.7340, 35.9260

Conversions

Conversions Part 2

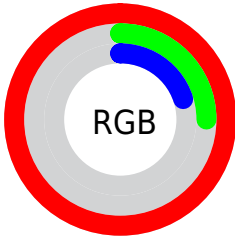
Format	Color
R_{YB}	255, 66, 51
Decimal	16728371
CIE _{Lab}	57.35, 69.83, 51.64
CIE _{LCh}	57, 86.851, 36.486
Yxy	25.2796, 0.5853, 0.3384
Android (android.graphics.Color)	4294918451 (0xFFFF4133)
YUV	120.2140, -34.1225, 118.2073
Hunter-Lab	50.2788, 67.2406, 28.4738

Details

The Yxy color **25.2796, 0.5853, 0.3384** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **70.7679, 0.2238, 0.3115**, and the grayscale version is **18.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1018, 0.4874, 0.3546**, and **10.8254, 0.6384, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **22.9366, 0.6181, 0.3358**, and if you desaturate by 10%, it is **28.8930, 0.5420, 0.3397**.

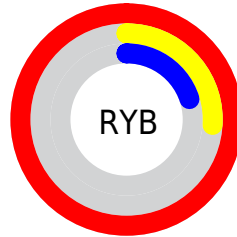
Distribution



Red (100%)

Green (25%)

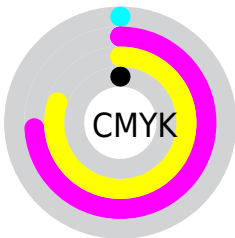
Blue (20%)



Red (100%)

Yellow (26%)

Blue (20%)

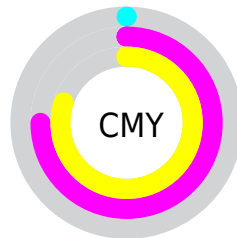


Cyan (0%)

Magenta (74%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2796, 0.5853, 0.3384 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 25.2796, 0.5853, 0.3384 by changing the saturation by 10% instead.


 25.2796, 0.5853,
0.3384


 25.2796, 0.5853,
0.3384


279.2275, 0.4421,
0.3502


 16.2855, 0.6188,
0.3288


 52.1105, 0.5339,
0.3476


 9.7264, 0.6586,
0.3127


 70.7160, 0.5142,
0.3495

 5.2179, 0.7113,
0.2887

 93.2941, 0.4974,
0.3505

 2.3757, 0.7571,
0.2429

 120.2292, 0.4831,
0.3510

 0.8133, 0.8224,
0.1776

 151.9057, 0.4707,
0.3511

 0.0000, 1.0000,
0.0000


 188.7080, 0.4599,


 0.0000, 0.0000,

0.3509

0.0000


231.0205, 0.4504,
0.3506


 25.2796, 0.5853,
0.3384


 25.2796, 0.5853,
0.3384

 22.9366, 0.6181,
0.3358


 28.8930, 0.5420,
0.3397

 21.6781, 0.6364,
0.3329

 33.9174, 0.4954,
0.3395

 40.4799, 0.4509,
0.3384

 48.6923, 0.4118,
0.3367

 58.6556, 0.3789,
0.3347

70.4632, 0.3520,
0.3327

84.2015, 0.3303,
0.3308

99.9517, 0.3128,
0.3290

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



25.2796, 0.5139, 0.2621



25.2796, 0.5853, 0.3384



25.2796, 0.5517, 0.4249

Triad

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



25.2796, 0.5853, 0.3384



25.2796, 0.2193, 0.5511



25.2796, 0.1442, 0.1384

Complementary

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



25.2796, 0.5853, 0.3384



70.7679, 0.2238, 0.3115

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.



25.2796, 0.1051, 0.1566



25.2796, 0.5853, 0.3384



25.2796, 0.1339, 0.3666

Square

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



25.2796, 0.5853, 0.3384



25.2796, 0.3365, 0.6044



25.2796, 0.1001, 0.2227



25.2796, 0.2278, 0.1522

Rectangle

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



25.2796, 0.5853, 0.3384



25.2796, 0.4915, 0.4919



25.2796, 0.1001, 0.2227



25.2796, 0.1269, 0.1405

Sweetspot

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



25.2811, 0.5853, 0.3384



65.5471, 0.3621, 0.3335



29.9941, 0.3342, 0.1718



13.1403, 0.3718, 0.3342



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.



25.2811, 0.5853, 0.3384



22.0714, 0.6305, 0.3338



48.9755, 0.4866, 0.4289



18.1884, 0.3293, 0.3307



11.4021, 0.6352, 0.3338



1.1772, 0.6243, 0.3425

Inverse Universe

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



70.7679, 0.2238, 0.3115



68.4859, 0.2192, 0.3078



26.4914, 0.1871, 0.1727



20.2538, 0.2980, 0.3273



35.6282, 0.2187, 0.3072



3.5309, 0.2194, 0.3099

Previews

White Background



This preview shows how the Yxy color 25.2796, 0.5853, 0.3384 looks on a white background.

Color Contrast Check

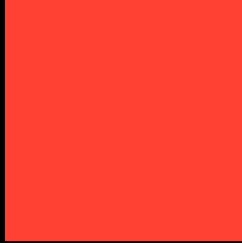
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2796, 0.5853, 0.3384 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 25.2796, 0.5853, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 25.2796, 0.5853, 0.3384.



This preview shows how white text looks on a background with the Yxy color 25.2796, 0.5853, 0.3384.

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

25.2796, 0.5853, 0.3384

Protanopia

25.3073, 0.3988, 0.4355

Deuteranopia

25.3468, 0.4597, 0.4506



Tritanopia

25.3201, 0.5715, 0.3284

Trichromacy



Original Color

25.2796, 0.5853, 0.3384

Protanomaly

22.5579, 0.4766, 0.3896

Deuteranomaly

23.3651, 0.5169, 0.3990

Tritanomaly

25.2637, 0.5767, 0.3317

Monochromacy



Original Color

25.2796, 0.5853, 0.3384

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3756, 0.4216, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2796, 0.5853, 0.3384 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, 65, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 51)  
}
```

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, 65, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 51) }
```

Border

The CSS property to change the border of an element to Yxy 25.2796, 0.5853, 0.3384 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, 65, 51) }
```

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

```
.border{ border-color:rgb(255, 65, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 65, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2796, 0.5853, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 51) }
```

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

```
.background{ background-color: rgb(255, 65,  
51) }
```

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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