

Converting Colors

$Yxy(27.2363, 0.5733, 0.3493)$

Have a look what the booklet for
Yxy(27.2363, 0.5733, 0.3493)
contains.

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Color

Yxy(27.2363, 0.5733, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	FF5033
RGB	255, 80, 51
RGB Percent	100%, 31%, 20%
CMY	0.0001, 0.6862, 0.7999
CMYK	0.00, 0.69, 0.80, 0.00
HSL	9°, 100%, 60%
HSV	9°, 80%, 100%
XYZ	44.7025, 27.2363, 6.0352
YIQ	129.0190, 113.6090, 28.0810

Conversions

Conversions Part 2

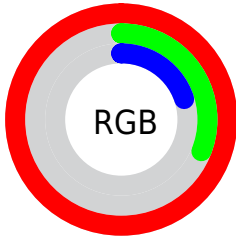
Format	Color
R_{YB}	255, 85, 51
Decimal	16732211
CIE _{Lab}	59.19, 64.73, 53.39
CIE _{LCh}	59, 83.906, 39.513
Yxy	27.2363, 0.5733, 0.3493
Android (android.graphics.Color)	4294922291 (0xFFFF5033)
YUV	129.0190, -38.4634, 110.4853
Hunter-Lab	52.1884, 61.5661, 29.6755

Details

The Yxy color **27.2363, 0.5733, 0.3493** 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 **62.3021, 0.2187, 0.2924**, and the grayscale version is **22.0726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3571, 0.4782, 0.3667**, and **10.9493, 0.6395, 0.3297** is the 20% darker color. If you saturate the color by 10%, you get **24.3716, 0.6073, 0.3447**, and if you desaturate by 10%, it is **31.2695, 0.5312, 0.3512**.

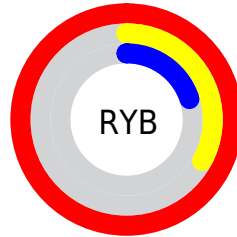
Distribution



Red (100%)

Green (31%)

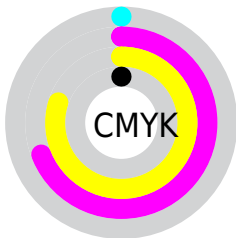
Blue (20%)



Red (100%)

Yellow (33%)

Blue (20%)

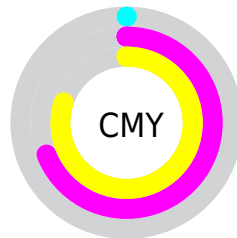


Cyan (0%)

Magenta (69%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2363, 0.5733, 0.3493 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 27.2363, 0.5733, 0.3493 by changing the saturation by 10% instead.


 27.2363, 0.5733,
0.3493


 27.2363, 0.5733,
0.3493


288.7994, 0.4379,
0.3548

 17.7508, 0.6046,
0.3415


 55.2628, 0.5250,
0.3559

 10.7712, 0.6418,
0.3280


 74.5726, 0.5064,
0.3570

 5.9132, 0.6921,
0.3079


 97.9259, 0.4906,
0.3573

 2.7924, 0.7341,
0.2659

 125.7072, 0.4769,
0.3572

 1.0243, 0.7944,
0.2056

 158.3008, 0.4652,
0.3568

 0.0000, 1.0000,
0.0000


 196.0911, 0.4549,

 0.0000, 0.0000,


0.3562


0.0000


239.4625, 0.4459,
0.3556


 27.2363, 0.5733,
0.3493


 27.2363, 0.5733,
0.3493


 24.3716, 0.6073,
0.3447


 31.2695, 0.5312,
0.3512


 22.5362, 0.6292,
0.3386


 36.5752, 0.4870,
0.3505

 22.5350, 0.6292,
0.3386

 43.2513, 0.4452,
0.3481

 51.3846, 0.4083,
0.3446

 61.0547, 0.3771,
0.3406

 72.3353, 0.3512,
0.3365

 85.2954, 0.3300,
0.3326

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



27.2363, 0.5143, 0.2735



27.2363, 0.5733, 0.3493



27.2363, 0.5362, 0.4349

Triad

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



27.2363, 0.5733, 0.3493



27.2363, 0.2155, 0.5217



27.2363, 0.1570, 0.1457

Complementary

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



27.2363, 0.5733, 0.3493



62.3021, 0.2187, 0.2924

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.



27.2363, 0.1148, 0.1606



27.2363, 0.5733, 0.3493



27.2363, 0.1368, 0.3485

Square

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



27.2363, 0.5733, 0.3493



27.2363, 0.3276, 0.5915



27.2363, 0.1070, 0.2197



27.2363, 0.2433, 0.1620

Rectangle

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



27.2363, 0.5733, 0.3493



27.2363, 0.4773, 0.4989



27.2363, 0.1070, 0.2197



27.2363, 0.1386, 0.1468

Sweetspot

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



27.2379, 0.5733, 0.3493



67.6243, 0.3610, 0.3381



29.2162, 0.3491, 0.1809



13.6240, 0.3703, 0.3396



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.



27.2379, 0.5733, 0.3493



23.1605, 0.6217, 0.3409



54.2185, 0.4733, 0.4410



18.4037, 0.3291, 0.3324



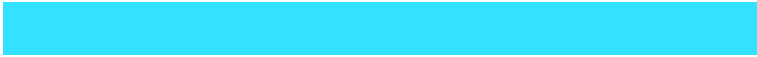
11.9019, 0.6272, 0.3402



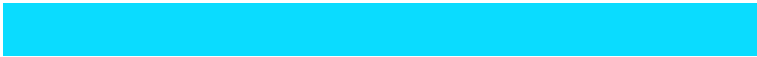
1.2785, 0.6091, 0.3545

Inverse Universe

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



62.3021, 0.2187, 0.2924



58.5678, 0.2127, 0.2843



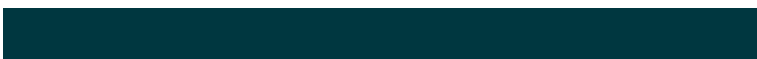
22.7957, 0.1824, 0.1548



20.0150, 0.2980, 0.3255



30.3409, 0.2120, 0.2832



3.0697, 0.2136, 0.2889

Previews

White Background



This preview shows how the Yxy color 27.2363, 0.5733, 0.3493 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 27.2363, 0.5733, 0.3493 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 27.2363, 0.5733, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 27.2363, 0.5733, 0.3493.



This preview shows how white text looks on a background with the Yxy color 27.2363, 0.5733, 0.3493.

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

27.2363, 0.5733, 0.3493

Protanopia

27.3437, 0.4036, 0.4415

Deuteranopia

27.1586, 0.4603, 0.4496



Tritanopia

27.3029, 0.5449, 0.3273

Trichromacy



Original Color

27.2363, 0.5733, 0.3493

Protanomaly

25.1182, 0.4729, 0.4016

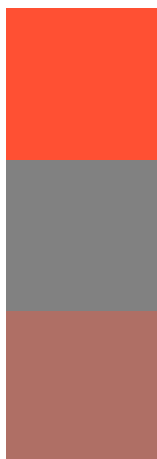
Deuteranomaly

25.6870, 0.5096, 0.4058

Tritanomaly

27.2942, 0.5565, 0.3365

Monochromacy



Original Color

27.2363, 0.5733, 0.3493

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4224, 0.4132, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2363, 0.5733, 0.3493 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, 80, 51)` looks like.

```
.text, #text, p{  
  color:rgb(255, 80, 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, 80, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 51) }
```

Border

The CSS property to change the border of an element to Yxy 27.2363, 0.5733, 0.3493 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, 80, 51) }
```

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

```
.border{ border-color:rgb(255, 80, 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, 80, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2363, 0.5733, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 51) }
```

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

```
.background{ background-color: rgb(255, 80,  
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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