

Converting Colors

$Yxy(27.3045, 0.5930, 0.3657)$

Have a look what the booklet for
Yxy(27.3045, 0.5930, 0.3657)
contains.

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Color

Yxy(27.3055, 0.5931, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	FF5205
RGB	255, 82, 5
RGB Percent	100%, 32%, 2%
CMY	0.0000, 0.6784, 0.9809
CMYK	0.00, 0.68, 0.98, 0.00
HSL	19°, 100%, 51%
HSV	19°, 98%, 100%
XYZ	44.2846, 27.3055, 3.0763
YIQ	124.9490, 127.8250, 12.7290

Conversions

Conversions Part 2

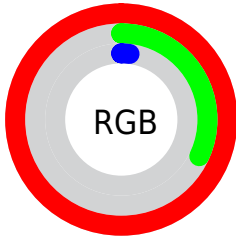
Format	Color
RYB	255, 116, 5
Decimal	16732677
CIELab	59.26, 63.24, 68.84
CIElCh	59, 93.479, 47.426
Yxy	27.3055, 0.5931, 0.3657
Android (android.graphics.Color)	4294922757 (0xFFFF5205)
YUV	124.9490, -59.1349, 114.0547
Hunter-Lab	52.2547, 59.8290, 33.0878

Details

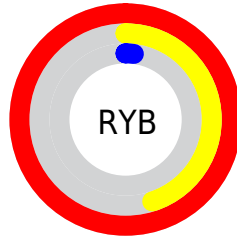
The Yxy color **27.3055, 0.5931, 0.3657** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **39.0377, 0.1961, 0.2251**, and the grayscale version is **20.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1426, 0.5043, 0.3929**, and **10.8839, 0.6390, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **26.8002, 0.5974, 0.3638**, and if you desaturate by 10%, it is **30.4024, 0.5672, 0.3749**.

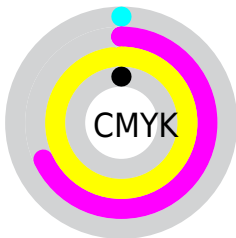
Distribution



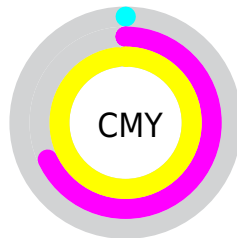
- Red (100%)
- Green (32%)
- Blue (2%)



- Red (100%)
- Yellow (45%)
- Blue (2%)



- Cyan (0%)
- Magenta (68%)
- Yellow (98%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3055, 0.5931, 0.3657 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 27.3055, 0.5931, 0.3657 by changing the saturation by 10% instead.

 27.3055, 0.5931,
0.3657


 27.3055, 0.5931,
0.3657


289.1333, 0.4541,
0.3701


 17.8028, 0.6215,
0.3558


 55.3737, 0.5463,
0.3739


 10.8085, 0.6583,
0.3417


 74.7080, 0.5273,
0.3751

 5.9382, 0.6882,
0.3118

 98.0883, 0.5108,
0.3751

 2.8075, 0.7297,
0.2703

 125.8989, 0.4964,
0.3746

 1.0321, 0.7897,
0.2103

 158.5244, 0.4838,
0.3737

 0.0000, 1.0000,
0.0000


 196.3490, 0.4727,


 0.0000, 0.0000,

0.3726


0.0000


 239.7571, 0.4628,
0.3714


 27.3055, 0.5931,
0.3657


 27.3055, 0.5931,
0.3657


 26.8002, 0.5974,
0.3638

 30.4024, 0.5672,
0.3749

 34.3329, 0.5343,
0.3794

 39.1650, 0.4977,
0.3793

 44.9559, 0.4608,
0.3752

 51.7573, 0.4262,
0.3686

■ 59.6168, 0.3953,
0.3606

■ 68.5789, 0.3684,
0.3520

■ 78.6854, 0.3455,
0.3435

■ 89.9757, 0.3261,
0.3353

Harmonies

Analogous

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



27.3055, 0.5636, 0.2861



27.3055, 0.5931, 0.3657



27.3055, 0.5260, 0.4611

Triad

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



27.3055, 0.5931, 0.3657



27.3055, 0.1760, 0.4986



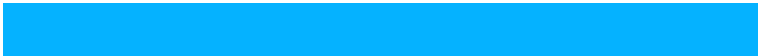
27.3055, 0.1636, 0.1342

Complementary

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



27.3055, 0.5931, 0.3657



39.0377, 0.1961, 0.2251

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.



27.3055, 0.1093, 0.1396



27.3055, 0.5931, 0.3657



27.3055, 0.1092, 0.3013

Square

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



27.3055, 0.5931, 0.3657



27.3055, 0.2884, 0.6206



27.3055, 0.0918, 0.1852



27.3055, 0.2698, 0.1593

Rectangle

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



27.3055, 0.5931, 0.3657



27.3055, 0.4530, 0.5341



27.3055, 0.0918, 0.1852



27.3055, 0.1405, 0.1325

Sweetspot

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



27.3069, 0.5931, 0.3657



67.7154, 0.3707, 0.3528



24.6595, 0.4145, 0.2064



13.6556, 0.3818, 0.3565



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.



27.3069, 0.5931, 0.3657



26.8002, 0.5974, 0.3638



64.9213, 0.4593, 0.4726



18.9007, 0.3287, 0.3364



14.2347, 0.5945, 0.3662



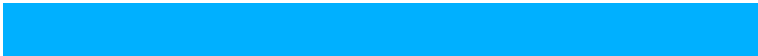
1.5700, 0.5724, 0.3837

Inverse Universe

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



39.0377, 0.1961, 0.2251



38.4120, 0.1953, 0.2229



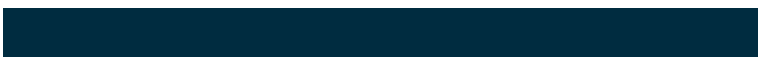
9.9742, 0.1558, 0.0798



19.4805, 0.2980, 0.3215



20.3484, 0.1958, 0.2249



2.1754, 0.1995, 0.2381

Previews

White Background



This preview shows how the Yxy color 27.3055, 0.5931, 0.3657 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 27.3055, 0.5931, 0.3657 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 27.3055, 0.5931, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 27.3055, 0.5931, 0.3657.



This preview shows how white text looks on a background with the Yxy color 27.3055, 0.5931, 0.3657.

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

27.3055, 0.5931, 0.3657

Protanopia

27.3058, 0.4331, 0.4782

Deuteranopia

27.3116, 0.4702, 0.4648



Tritanopia

27.3180, 0.5437, 0.3265

Trichromacy



Original Color

27.3055, 0.5931, 0.3657

Protanomaly

25.3274, 0.5012, 0.4308

Deuteranomaly

25.7606, 0.5236, 0.4217

Tritanomaly

27.1183, 0.5717, 0.3468

Monochromacy



Original Color

27.3055, 0.5931, 0.3657

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3020, 0.4381, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3055, 0.5931, 0.3657 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, 82, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 5)  
}
```

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, 82, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 5) }
```

Border

The CSS property to change the border of an element to Yxy 27.3055, 0.5931, 0.3657 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, 82, 5) }
```

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

```
.border{ border-color:rgb(255, 82, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 82, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.3055, 0.5931, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 5) }
```

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

```
.background{ background-color: rgb(255, 82,  
5) }
```

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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