

Converting Colors

$Y_{xy}(32.0158, 0.6061, 0.3630)$

Have a look what the booklet for
Yxy(32.0158, 0.6061, 0.3630)
contains.

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Color

Yxy(27.2946, 0.5942, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	FF5200
RGB	255, 82, 0
RGB Percent	100%, 32%, 0%
CMY	0.0000, 0.6785, 1.0000
CMYK	0.00, 0.68, 1.00, 0.00
HSL	19°, 100%, 50%
HSV	19°, 100%, 100%
XYZ	44.2643, 27.2946, 2.9351
YIQ	124.3790, 129.4300, 11.1740

Conversions

Conversions Part 2

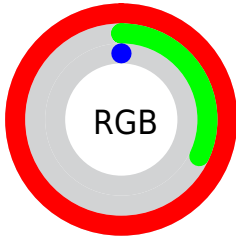
Format	Color
RYB	255, 121, 0
Decimal	16732672
CIELab	59.25, 63.23, 69.77
CIElCh	59, 94.154, 47.816
Yxy	27.2946, 0.5942, 0.3664
Android (android.graphics.Color)	4294922752 (0xFFFF5200)
YUV	124.3790, -61.3188, 114.5546
Hunter-Lab	52.2442, 59.8081, 33.2401

Details

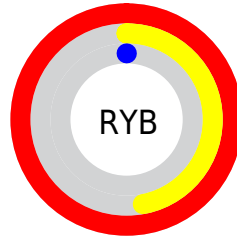
The Yxy color **27.2946, 0.5942, 0.3664** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **37.1150, 0.1939, 0.2181**, and the grayscale version is **20.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1069, 0.5063, 0.3949**, and **10.8839, 0.6390, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **27.2915, 0.5942, 0.3664**, and if you desaturate by 10%, it is **30.3095, 0.5696, 0.3761**.

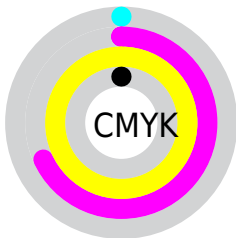
Distribution



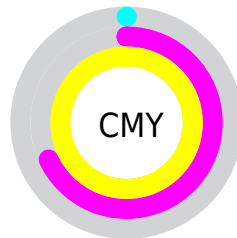
- Red (100%)
- Green (32%)
- Blue (0%)



- Red (100%)
- Yellow (47%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2946, 0.5942, 0.3664 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 27.2946, 0.5942, 0.3664 by changing the saturation by 10% instead.


 27.2946, 0.5942,
0.3664

 27.2946, 0.5942,
0.3664


289.0807, 0.4551,
0.3710


 17.7946, 0.6224,
0.3564


 55.3562, 0.5475,
0.3748

 10.8026, 0.6583,
0.3417


 74.6867, 0.5286,
0.3760


 5.9343, 0.6882,
0.3118

 98.0627, 0.5120,
0.3761

 2.8052, 0.7297,
0.2703

 125.8687, 0.4976,
0.3755

 1.0309, 0.7897,
0.2103

 158.4892, 0.4850,
0.3746

 0.0000, 1.0000,
0.0000


 196.3084, 0.4738,


 0.0000, 0.0000,


0.3735

0.0000


 239.7107, 0.4639,
0.3723

 27.2946, 0.5942,
0.3664


 27.2946, 0.5942,
0.3664


 27.2915, 0.5942,
0.3664

 30.3095, 0.5696,
0.3761

 34.1248, 0.5383,
0.3815

 38.8074, 0.5026,
0.3819

 44.4130, 0.4662,
0.3783

 50.9918, 0.4316,
0.3718

■ 58.5901, 0.4003,
0.3636

■ 67.2507, 0.3729,
0.3547

■ 77.0141, 0.3494,
0.3458

■ 87.9184, 0.3295,
0.3371

Harmonies

Analogous

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



27.2946, 0.5665, 0.2866



27.2946, 0.5942, 0.3664



27.2946, 0.5255, 0.4625

Triad

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



27.2946, 0.5942, 0.3664



27.2946, 0.1737, 0.4974



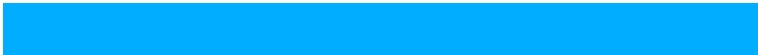
27.2946, 0.1638, 0.1335

Complementary

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



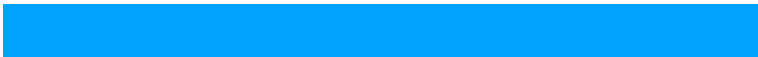
27.2946, 0.5942, 0.3664



37.1150, 0.1939, 0.2181

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.



27.2946, 0.1088, 0.1384



27.2946, 0.5942, 0.3664



27.2946, 0.1076, 0.2988

Square

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



27.2946, 0.5942, 0.3664



27.2946, 0.2861, 0.6226



27.2946, 0.0909, 0.1833



27.2946, 0.2712, 0.1590

Rectangle

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



27.2946, 0.5942, 0.3664



27.2946, 0.4516, 0.5362



27.2946, 0.0909, 0.1833



27.2946, 0.1405, 0.1316

Sweetspot

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



27.2915, 0.5942, 0.3664



67.2507, 0.3729, 0.3547



24.3258, 0.4233, 0.2106



13.5845, 0.3840, 0.3585



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.



27.2915, 0.5942, 0.3664



66.4938, 0.4567, 0.4756



18.9403, 0.3286, 0.3367



14.4983, 0.5912, 0.3688



1.5996, 0.5692, 0.3863

Inverse Universe

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



37.1150, 0.1939, 0.2181



9.2331, 0.1541, 0.0747



19.4389, 0.2980, 0.3212



19.6755, 0.1945, 0.2201



2.1137, 0.1983, 0.2340

Previews

White Background



This preview shows how the Yxy color 27.2946, 0.5942, 0.3664 looks on a white background.

Color Contrast Check

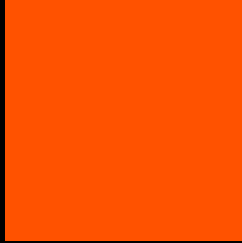
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2946, 0.5942, 0.3664 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 27.2946, 0.5942, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 27.2946, 0.5942, 0.3664.



This preview shows how white text looks on a background with the Yxy color 27.2946, 0.5942, 0.3664.

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

27.2946, 0.5942, 0.3664

Protanopia

27.3011, 0.4335, 0.4788

Deuteranopia

27.3116, 0.4702, 0.4648



Tritanopia

27.3180, 0.5437, 0.3265

Trichromacy



Original Color

27.2946, 0.5942, 0.3664

Protanomaly

25.3173, 0.5022, 0.4318

Deuteranomaly

25.7562, 0.5241, 0.4221

Tritanomaly

27.0999, 0.5734, 0.3480

Monochromacy



Original Color

27.2946, 0.5942, 0.3664

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2724, 0.4407, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2946, 0.5942, 0.3664 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.2946, 0.5942, 0.3664 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, 0) }
```

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

```
.border{ border-color:rgb(255, 82, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 27.2946, 0.5942, 0.3664 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, 0) }
```

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

```
.background{ background-color: rgb(255, 82,  
0) }
```

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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