

# Converting Colors

$Y_{xy}(26.5786, 0.5456, 0.3468)$

Have a look what the booklet for  
Yxy(26.5786, 0.5456, 0.3468)  
contains.

<b>Yxy(26.6178, 0.5453, 0.3472)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(26.6178, 0.5453, 0.3472)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F45843
RGB	244, 88, 67
RGB Percent	96%, 35%, 26%
CMY	0.0432, 0.6548, 0.7373
CMYK	0.00, 0.64, 0.73, 0.04
HSL	7°, 89%, 61%
HSV	7°, 73%, 96%
XYZ	41.8050, 26.6178, 8.2414
YIQ	132.2500, 99.7170, 26.5410

# Conversions

## Conversions Part 2

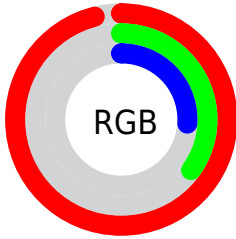
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 91, 67
Decimal	16013379
CIE Lab	58.62, 58.61, 44.05
CIE LCh	59, 73.323, 36.927
Yxy	26.6178, 0.5453, 0.3472
Android (android.graphics.Color)	4294203459 (0xFF4584)
YUV	132.2500, -32.1683, 98.0048
Hunter-Lab	51.5924, 54.3505, 26.6437

# Details

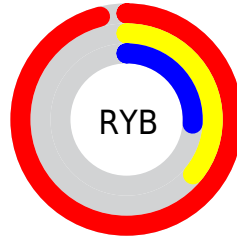
The Yxy color **26.6178, 0.5453, 0.3472** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **60.4571, 0.2247, 0.3018**, and the grayscale version is **23.2648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4675, 0.4581, 0.3578**, and **10.4107, 0.6142, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **23.3602, 0.5863, 0.3449**, and if you desaturate by 10%, it is **31.0418, 0.5004, 0.3473**.

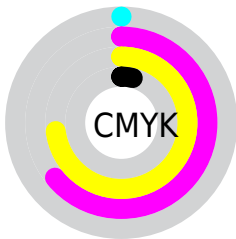
# Distribution



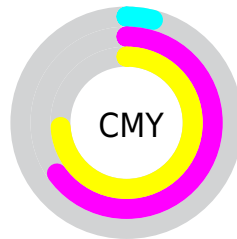
- Red (96%)
- Green (35%)
- Blue (26%)



- Red (96%)
- Yellow (36%)
- Blue (26%)



- Cyan (0%)
- Magenta (64%)
- Yellow (73%)
- Black (4%)



- Cyan (4%)
- Magenta (65%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6178, 0.5453, 0.3472 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 26.6178, 0.5453, 0.3472 by changing the saturation by 10% instead.





 26.6178, 0.5453,  
0.3472


 26.6178, 0.5453,  
0.3472


285.8018, 0.4213,  
0.3493


 17.2864, 0.5760,  
0.3417


 54.2699, 0.4997,  
0.3514

 10.4389, 0.6140,  
0.3316


 73.3595, 0.4826,  
0.3519

 5.6909, 0.6647,  
0.3148

 96.4705, 0.4682,  
0.3519

 2.6581, 0.7197,  
0.2803

 123.9874, 0.4560,  
0.3516

 0.9559, 0.7805,  
0.2195

 156.2946, 0.4455,  
0.3512

 0.0000, 1.0000,  
0.0000

193.7764, 0.4364,

 0.0000, 0.0000,

0.3506

0.0000

236.8174, 0.4284,  
0.3500

■ 26.6178, 0.5453,  
0.3472

■ 26.6178, 0.5453,  
0.3472

■ 23.3602, 0.5863,  
0.3449

■ 31.0418, 0.5004,  
0.3473

■ 21.1535, 0.6171,  
0.3404


■ 36.7245, 0.4570,  
0.3456


■ 20.1089, 0.6317,  
0.3366


■ 43.7539, 0.4181,  
0.3428

■ 52.2090, 0.3850,  
0.3396

■ 62.1624, 0.3575,  
0.3362

 73.6819, 0.3351,  
0.3329

 86.8313, 0.3168,  
0.3298

 97.9691, 0.3059,  
0.3290

# Harmonies

## Analogous

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



26.6178, 0.4826, 0.2753



26.6178, 0.5453, 0.3472



26.6178, 0.5238, 0.4263

# Triad

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



26.6178, 0.5453, 0.3472



26.6178, 0.2370, 0.5053



26.6178, 0.1660, 0.1610

# Complementary

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



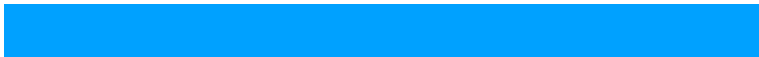
26.6178, 0.5453, 0.3472



60.4571, 0.2247, 0.3018

# 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.



26.6178, 0.1288, 0.1794



26.6178, 0.5453, 0.3472



26.6178, 0.1590, 0.3611

# Square

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



26.6178, 0.5453, 0.3472



26.6178, 0.3420, 0.5597



26.6178, 0.1251, 0.2407



26.6178, 0.2427, 0.1738



# Rectangle

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



26.6178, 0.5453, 0.3472



26.6178, 0.4755, 0.4824



26.6178, 0.1251, 0.2407



26.6178, 0.1496, 0.1633

# Sweetspot

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



26.6193, 0.5453, 0.3472



69.3163, 0.3563, 0.3360



28.5865, 0.3419, 0.1856



14.1553, 0.3632, 0.3369



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.



26.6193, 0.5453, 0.3472



24.5544, 0.6022, 0.3430



50.7353, 0.4609, 0.4342



16.7999, 0.3291, 0.3319



11.0372, 0.6300, 0.3380



1.0706, 0.6118, 0.3524



# Inverse Universe

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



60.4571, 0.2247, 0.3018



63.3688, 0.2174, 0.2956



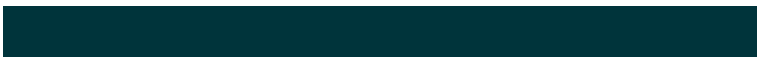
25.0033, 0.1931, 0.1770



18.4015, 0.2981, 0.3261



30.1049, 0.2142, 0.2910



2.7391, 0.2156, 0.2962



# Previews

## White Background



This preview shows how the Yxy color 26.6178, 0.5453, 0.3472 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 26.6178, 0.5453, 0.3472 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 26.6178, 0.5453, 0.3472**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6178, 0.5453, 0.3472.



This preview shows how white text looks on a background with the Yxy color 26.6178, 0.5453, 0.3472.

# 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

26.6178, 0.5453, 0.3472

### Protanopia

26.6742, 0.3869, 0.4181

### Deuteranopia

26.5757, 0.4431, 0.4334



## Tritanopia

26.6477, 0.5216, 0.3251

# Trichromacy



## Original Color

26.6178, 0.5453, 0.3472

## Protanomaly

25.0339, 0.4478, 0.3888

## Deuteranomaly

25.4770, 0.4855, 0.3953

## Tritanomaly

26.6773, 0.5308, 0.3332

# Monochromacy



## Original Color

26.6178, 0.5453, 0.3472

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

22.4577, 0.3980, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6178, 0.5453, 0.3472 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(244, 88, 67)` looks like.

```
.text, #text, p{  
    color:rgb(244, 88, 67)  
}
```

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(244, 88, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 88, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6178, 0.5453, 0.3472 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(244, 88, 67) }
```

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

```
.border{ border-color:rgb(244, 88, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 88, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 88, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 88, 67);  
box-shadow:4px 4px 4px 4px rgb(244, 88,  
67) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 26.6178, 0.5453, 0.3472$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 88, 67) }
```

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

```
.background{ background-color: rgb(244, 88,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor