

# Converting Colors

$Y_{xy}(25.1881, 0.6055, 0.3525)$

Have a look what the booklet for  
Yxy(25.1881, 0.6055, 0.3525)  
contains.

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# Color

**$\text{Yxy}(25.1881, 0.6055, 0.3525)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF420E
RGB	255, 66, 14
RGB Percent	100%, 26%, 5%
CMY	0.0000, 0.7411, 0.9446
CMYK	0.00, 0.74, 0.94, 0.00
HSL	13°, 100%, 53%
HSV	13°, 94%, 100%
XYZ	43.2664, 25.1881, 3.0011
YIQ	116.5830, 129.3360, 23.8960

# Conversions

## Conversions Part 2

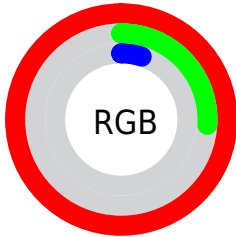
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 80, 14
Decimal	16728590
CIE Lab	57.26, 68.86, 65.89
CIE LCh	57, 95.308, 43.739
Yxy	25.1881, 0.6055, 0.3525
Android (android.graphics.Color)	4294918670 (0xFFFF420E)
YUV	116.5830, -50.5734, 121.3917
Hunter-Lab	50.1877, 66.0546, 31.5860

# Details

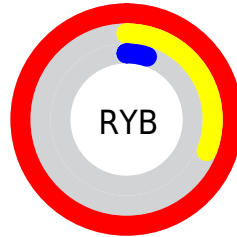
The Yxy color **25.1881, 0.6055, 0.3525** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **50.0698, 0.2065, 0.2610**, and the grayscale version is **17.7902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8809, 0.5143, 0.3798**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.9855, 0.6177, 0.3478**, and if you desaturate by 10%, it is **28.0691, 0.5759, 0.3597**.

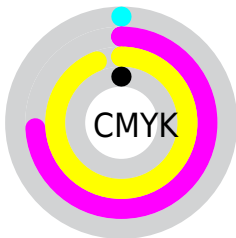
# Distribution



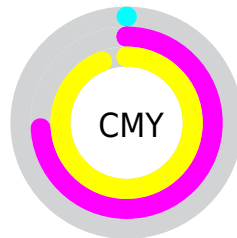
- Red (100%)
- Green (26%)
- Blue (5%)



- Red (100%)
- Yellow (31%)
- Blue (5%)



- Cyan (0%)
- Magenta (74%)
- Yellow (94%)
- Black (0%)




- Cyan (0%)
- Magenta (74%)
- Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1881, 0.6055, 0.3525 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 25.1881, 0.6055, 0.3525 by changing the saturation by 10% instead.





 25.1881, 0.6055,  
0.3525


 25.1881, 0.6055,  
0.3525


278.7734, 0.4579,  
0.3640


 16.2173, 0.6363,  
0.3407


 51.9622, 0.5552,  
0.3635


 9.6780, 0.6762,  
0.3238


 70.5343, 0.5350,  
0.3656


 5.1860, 0.7093,  
0.2907

 93.0755, 0.5175,  
0.3665

 2.3568, 0.7551,  
0.2449

 119.9703, 0.5023,  
0.3666

 0.8035, 0.8207,  
0.1793

 151.6031, 0.4890,  
0.3663


 0.0000, 1.0000,  
0.0000


 188.3583, 0.4773,


 0.0000, 0.0000,


0.3657


0.0000

 230.6203, 0.4670,  
0.3649


 25.1881, 0.6055,  
0.3525


 25.1881, 0.6055,  
0.3525


 23.9855, 0.6177,  
0.3478

 28.0691, 0.5759,  
0.3597

 31.9563, 0.5381,  
0.3631

 36.9386, 0.4969,  
0.3629

 43.0931, 0.4566,  
0.3598

 50.4897, 0.4199,  
0.3549

■ 59.1928, 0.3880,  
0.3491

■ 69.2619, 0.3611,  
0.3430

■ 80.7532, 0.3386,  
0.3370

■ 93.7194, 0.3200,  
0.3314

# Harmonies

## Analogous

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



25.1881, 0.5620, 0.2734



25.1881, 0.6055, 0.3525



25.1881, 0.5431, 0.4479

# Triad

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



25.1881, 0.6055, 0.3525



25.1881, 0.1816, 0.5334



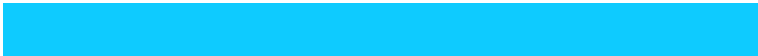
25.1881, 0.1493, 0.1276

# Complementary

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



25.1881, 0.6055, 0.3525



50.0698, 0.2065, 0.2610

# 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.



25.1881, 0.0997, 0.1368



25.1881, 0.6055, 0.3525



25.1881, 0.1075, 0.3204

# Square

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



25.1881, 0.6055, 0.3525



25.1881, 0.2993, 0.6356



25.1881, 0.0859, 0.1890



25.1881, 0.2507, 0.1494



# Rectangle

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



25.1881, 0.6055, 0.3525



25.1881, 0.4699, 0.5248



25.1881, 0.0859, 0.1890



25.1881, 0.1280, 0.1270

# Sweetspot

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



25.1896, 0.6055, 0.3525



65.5436, 0.3701, 0.3452



26.0721, 0.3763, 0.1864



13.1080, 0.3818, 0.3478



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.



25.1896, 0.6055, 0.3525



23.9870, 0.6177, 0.3478



55.0470, 0.4801, 0.4541



18.6213, 0.3289, 0.3342



12.7091, 0.6151, 0.3498

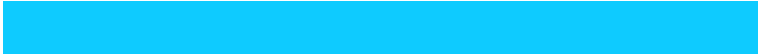


1.3886, 0.5942, 0.3664

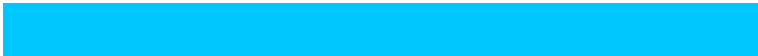


# Inverse Universe

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



50.0698, 0.2065, 0.2610



48.5546, 0.2046, 0.2566



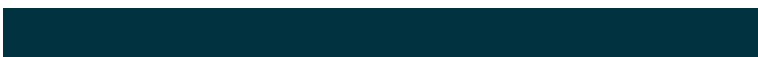
14.0309, 0.1638, 0.1065



19.7780, 0.2980, 0.3238



25.5987, 0.2050, 0.2579



2.6497, 0.2075, 0.2670



# Previews

## White Background



This preview shows how the Yxy color 25.1881, 0.6055, 0.3525 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 25.1881, 0.6055, 0.3525 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 25.1881, 0.6055, 0.3525**

## Background



This preview shows how black text looks on a background with the Yxy color 25.1881, 0.6055, 0.3525.



This preview shows how white text looks on a background with the Yxy color 25.1881, 0.6055, 0.3525.

# 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

25.1881, 0.6055, 0.3525

### Protanopia

25.2553, 0.4297, 0.4743

### Deuteranopia

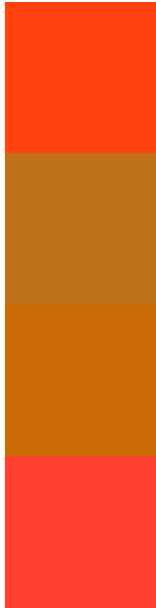
25.2313, 0.4707, 0.4644



## Tritanopia

25.1967, 0.5732, 0.3284

# Trichromacy



## Original Color

25.1881, 0.6055, 0.3525

## Protanomaly

22.7393, 0.5075, 0.4201

## Deuteranomaly

23.2229, 0.5324, 0.4133

## Tritanomaly

25.1240, 0.5901, 0.3403

# Monochromacy



## Original Color

25.1881, 0.6055, 0.3525

## Achromatopsia

17.7888, 0.3127, 0.3290

## Achromatomaly

17.5300, 0.4429, 0.3570

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.1881, 0.6055, 0.3525 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, 66, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 14)  
}
```

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, 66, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 25.1881, 0.6055, 0.3525 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, 66, 14) }
```

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

```
.border{ border-color:rgb(255, 66, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.1881, 0.6055, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 14) }
```

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

```
.background{ background-color: rgb(255, 66,  
14) }
```

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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