

# Converting Colors

$Y_{xy}(25.0711, 0.6068, 0.3522)$

Have a look what the booklet for  
Yxy(25.0711, 0.6068, 0.3522)  
contains.

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# Color

**Yxy(25.0671, 0.6069, 0.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF410C
RGB	255, 65, 12
RGB Percent	100%, 25%, 5%
CMY	0.0000, 0.7450, 0.9528
CMYK	0.00, 0.74, 0.95, 0.00
HSL	13°, 100%, 52%
HSV	13°, 95%, 100%
XYZ	43.1948, 25.0671, 2.9110
YIQ	115.7680, 130.2530, 23.7970

# Conversions

## Conversions Part 2

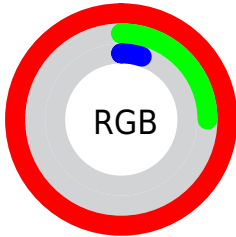
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 80, 12
Decimal	16728332
CIE <sub>Lab</sub>	57.14, 69.15, 66.30
CIE <sub>LCh</sub>	57, 95.803, 43.794
Yxy	25.0671, 0.6069, 0.3522
Android (android.graphics.Color)	4294918412 (0xFFFF410C)
YUV	115.7680, -51.1576, 122.1065
Hunter-Lab	50.0671, 66.3817, 31.5997

# Details

The Yxy color **25.0671, 0.6069, 0.3522** 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 **49.5440, 0.2059, 0.2594**, and the grayscale version is **17.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6114, 0.5160, 0.3796**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.0489, 0.6172, 0.3482**, and if you desaturate by 10%, it is **27.8868, 0.5782, 0.3597**.

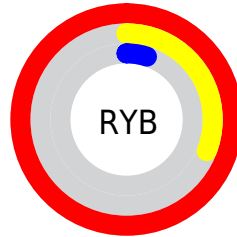
# Distribution



Red (100%)

Green (25%)

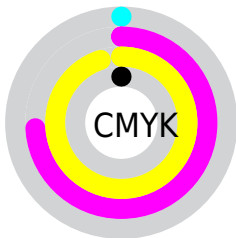
Blue (5%)



Red (100%)

Yellow (31%)

Blue (5%)

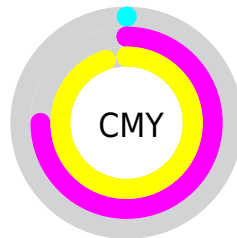


Cyan (0%)

Magenta (74%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (75%)


Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0671, 0.6069, 0.3522 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 25.0671, 0.6069, 0.3522 by changing the saturation by 10% instead.





 25.0671, 0.6069,  
0.3522


 25.0671, 0.6069,  
0.3522


278.1719, 0.4587,  
0.3642


 16.1271, 0.6377,  
0.3402


 51.7661, 0.5565,  
0.3634


 9.6141, 0.6771,  
0.3229


 70.2938, 0.5362,  
0.3656

 5.1439, 0.7105,  
0.2895

 92.7861, 0.5186,  
0.3666

 2.3319, 0.7565,  
0.2435

 119.6276, 0.5034,  
0.3668

 0.7905, 0.8225,  
0.1775

 151.2025, 0.4900,  
0.3665


 0.0000, 1.0000,  
0.0000

 187.8953, 0.4783,

 0.0000, 0.0000,

0.3659

0.0000


 230.0903, 0.4679,  
0.3651


 25.0671, 0.6069,  
0.3522

 25.0671, 0.6069,  
0.3522


 24.0489, 0.6172,  
0.3482

 27.8868, 0.5782,  
0.3597

 31.7011, 0.5409,  
0.3635

 36.5990, 0.4999,  
0.3635

 42.6577, 0.4595,  
0.3605

 49.9469, 0.4226,  
0.3557

■ 58.5307, 0.3903,  
0.3498

■ 68.4686, 0.3630,  
0.3437

■ 79.8165, 0.3402,  
0.3376

■ 92.6268, 0.3213,  
0.3319

# Harmonies

## Analogous

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



25.0671, 0.5637, 0.2730



25.0671, 0.6069, 0.3522



25.0671, 0.5437, 0.4481

# Triad

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



25.0671, 0.6069, 0.3522



25.0671, 0.1805, 0.5347



25.0671, 0.1487, 0.1268

# Complementary

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



25.0671, 0.6069, 0.3522



49.5440, 0.2059, 0.2594

# 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.



25.0671, 0.0990, 0.1358



25.0671, 0.6069, 0.3522



25.0671, 0.1065, 0.3198

# Square

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



25.0671, 0.6069, 0.3522



25.0671, 0.2984, 0.6376



25.0671, 0.0850, 0.1880



25.0671, 0.2505, 0.1487



# Rectangle

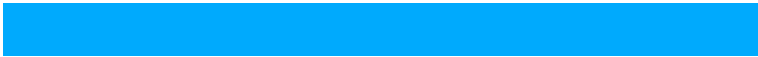
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.0671, 0.6069, 0.3522



25.0671, 0.4701, 0.5256



25.0671, 0.0850, 0.1880



25.0671, 0.1273, 0.1262

# Sweetspot

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



25.0686, 0.6069, 0.3522



64.6111, 0.3726, 0.3460



25.8035, 0.3823, 0.1894



12.9329, 0.3845, 0.3486



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.



25.0686, 0.6069, 0.3522



24.0507, 0.6172, 0.3482



56.4690, 0.4769, 0.4572



18.6291, 0.3289, 0.3343



12.7440, 0.6146, 0.3502



1.3931, 0.5936, 0.3669



# Inverse Universe

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



49.5440, 0.2059, 0.2594



48.2467, 0.2044, 0.2557



13.1649, 0.1622, 0.1010



19.7696, 0.2980, 0.3237



25.4397, 0.2047, 0.2570



2.6355, 0.2073, 0.2662



# Previews

## White Background



This preview shows how the Yxy color 25.0671, 0.6069, 0.3522 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 25.0671, 0.6069, 0.3522 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 25.0671, 0.6069, 0.3522**

## Background



This preview shows how black text looks on a background with the Yxy color 25.0671, 0.6069, 0.3522.



This preview shows how white text looks on a background with the Yxy color 25.0671, 0.6069, 0.3522.

# 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

25.0671, 0.6069, 0.3522

### Protanopia

25.2498, 0.4302, 0.4751

### Deuteranopia

25.1168, 0.4696, 0.4653



## Tritanopia

25.0754, 0.5749, 0.3285

# Trichromacy



## Original Color

25.0671, 0.6069, 0.3522

## Protanomaly

22.5154, 0.5094, 0.4194

## Deuteranomaly

23.2207, 0.5327, 0.4136

## Tritanomaly

25.0045, 0.5916, 0.3401

# Monochromacy



## Original Color

25.0671, 0.6069, 0.3522

## Achromatopsia

17.4647, 0.3127, 0.3290

## Achromatomaly

17.3149, 0.4468, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0671, 0.6069, 0.3522 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, 65, 12)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 12)  
}
```

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, 65, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 12) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0671, 0.6069, 0.3522 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, 65, 12) }
```

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

```
.border{ border-color:rgb(255, 65, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 65, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
12) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 25.0671, 0.6069, 0.3522$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 12) }
```

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

```
.background{ background-color: rgb(255, 65,  
12) }
```

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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