

# Converting Colors

XYZ(39.0988, 23.4116, 3.3764)

Have a look what the booklet for  
XYZ(39.0988, 23.4116, 3.3764)  
contains.

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# Color

**XYZ(38.9836, 23.3278,  
3.3677)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F24619
RGB	242, 70, 25
RGB Percent	95%, 27%, 10%
CMY	0.0510, 0.7254, 0.9020
CMYK	0.00, 0.71, 0.90, 0.05
HSL	12°, 89%, 52%
HSV	12°, 90%, 95%
XYZ	38.9836, 23.3278, 3.3677
YIQ	116.2980, 116.9570, 22.4690

# Conversions

## Conversions Part 2

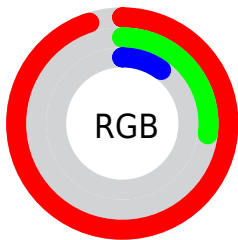
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 82, 25
Decimal	15877657
CIE <sub>Lab</sub>	55.41, 63.70, 60.34
CIE <sub>LCh</sub>	55, 87.739, 43.448
Yxy	23.3278, 0.5935, 0.3552
Android (android.graphics.Color)	4294067737 (0xFFFF24619)
YUV	116.2980, -45.0099, 110.2407
Hunter-Lab	48.2989, 59.5502, 29.6751

# Details

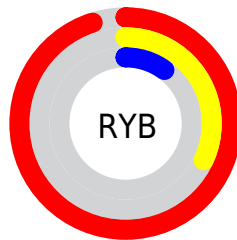
The XYZ color **38.9836, 23.3278, 3.3677** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **36.3912, 46.5442, 91.0697**, and the grayscale version is **16.8024, 17.6774, 19.2507**.

A 20% lighter version of the original color is **50.2637, 37.2201, 11.3725**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.7986, 21.2319, 2.1290**, and if you desaturate by 10%, it is **40.7647, 26.2775, 5.8515**.

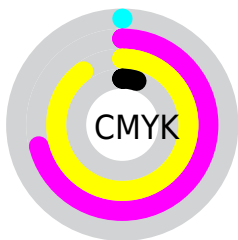
# Distribution



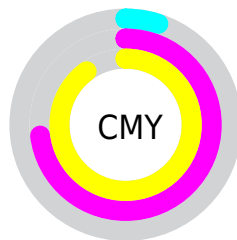
- Red (95%)
- Green (27%)
- Blue (10%)



- Red (95%)
- Yellow (32%)
- Blue (10%)



- Cyan (0%)
- Magenta (71%)
- Yellow (90%)
- Black (5%)




- Cyan (5%)
- Magenta (73%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9836, 23.3278, 3.3677 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 XYZ color 38.9836, 23.3278, 3.3677 by changing the saturation by 10% instead.





 38.9836, 23.3278,  
3.3677


 38.9836, 23.3278,  
3.3677

333.0291,  
269.4042, 140.9143

 26.9276, 14.8357,  
1.2853


 72.9075, 48.9310,  
12.5230

 17.6552, 8.7042,  
0.0497


 95.5061, 66.8110,  
20.4331


 10.8009, 4.5487,  
0.0000


 122.3497, 88.5890,  
31.1227

 5.9994, 1.9850,  
0.0000

 153.8036,  
114.6495, 45.0105

 2.8854, 0.5987,  
0.0000

 190.2331,  
145.3769, 62.5150


 1.0934, 0.0000,  
0.0000


 232.0036,


 0.0196, 0.0000,


181.1555, 84.0548


0.0000

 279.4805,  
222.3698, 110.0484


 0.0000, 0.0000,  
0.0000


 38.9836, 23.3278,  
3.3677


 38.9836, 23.3278,  
3.3677


 37.7986, 21.2319,  
2.1290


 40.7647, 26.2775,  
5.8515

 37.7667, 21.1753,  
2.0967

 43.2356, 30.1675,  
9.9173

 46.4645, 35.0734,  
15.7776

 50.5105, 41.0619,  
23.6112

 55.4265, 48.1934,  
33.5753

61.2609, 56.5241,  
45.8111

68.0583, 66.1061,  
60.4477

75.8604, 76.9887,  
77.6043

84.7063, 89.2184,  
97.3922

# Harmonies

## Analogous

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



46.1989, 23.3278, 14.7485



38.9836, 23.3278, 3.3677



28.0247, 23.3278, 0.7990

# Triad

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



38.9836, 23.3278, 3.3677



8.5109, 23.3278, 12.8580



26.8808, 23.3278, 123.2780

# Complementary

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



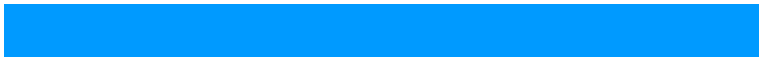
38.9836, 23.3278, 3.3677



36.3912, 46.5442, 91.0697

# 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.



17.1974, 23.3278, 121.1084



38.9836, 23.3278, 3.3677



8.3713, 23.3278, 40.2376

# Square

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



38.9836, 23.3278, 3.3677



11.5220, 23.3278, 2.8553



11.0589, 23.3278, 84.0359



37.9351, 23.3278, 88.7394



# Rectangle

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



38.9836, 23.3278, 3.3677



21.0514, 23.3278, 0.5559



11.0589, 23.3278, 84.0359



23.3324, 23.3278, 127.3075

# Sweetspot

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



38.9841, 23.3292, 3.3680



70.8733, 66.3203, 55.6037



47.2277, 23.6773, 55.8704



14.6420, 13.4476, 10.7766



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9841, 23.3292, 3.3680



42.5083, 23.7966, 2.3528



52.4955, 50.3520, 7.8718



16.0384, 16.2900, 16.4487



20.3673, 11.5326, 1.1525



1.7636, 1.0979, 0.1190

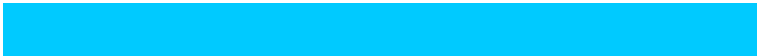


# Inverse Universe

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



36.3912, 46.5442, 91.0697



39.1953, 49.5106, 102.0984



20.0924, 13.9467, 85.6367



15.9528, 17.3397, 20.2277



18.8143, 23.8528, 48.7403



1.6343, 2.1226, 4.0778



# Previews

## White Background



This preview shows how the XYZ color 38.9836, 23.3278, 3.3677 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 XYZ color 38.9836, 23.3278, 3.3677 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](#).

**XYZ 38.9836, 23.3278, 3.3677**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9836, 23.3278, 3.3677.



This preview shows how white text looks on a background with the XYZ color 38.9836, 23.3278,



# 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

38.9836, 23.3278, 3.3677

### Protanopia

21.1650, 23.3178, 5.3928

### Deuteranopia

23.6093, 23.2465, 3.2427



## Tritanopia

39.9538, 23.3685, 7.8736

# Trichromacy



## Original Color

38.9836, 23.3278, 3.3677

## Protanomaly

25.4077, 21.3405, 4.3701

## Deuteranomaly

27.7090, 21.9299, 3.0309

## Tritanomaly

39.5891, 23.3169, 5.6629

# Monochromacy



## Original Color

38.9836, 23.3278, 3.3677

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

20.9235, 17.2296, 10.4065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9836, 23.3278, 3.3677 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(242, 70, 25)` looks like.

```
.text, #text, p{  
    color:rgb(242, 70, 25)  
}
```

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(242, 70, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 70, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9836, 23.3278, 3.3677 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(242, 70, 25) }
```



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

```
.border{ border-color:rgb(242, 70, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 70, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 70, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 70, 25);  
box-shadow:4px 4px 4px 4px rgb(242, 70,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9836, 23.3278, 3.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 70, 25) }
```

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

```
.background{ background-color: rgb(242, 70,  
25) }
```

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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