

# Converting Colors

XYZ(39.9187, 29.1897, 7.7769)

Have a look what the booklet for  
XYZ(39.9187, 29.1897, 7.7769)  
contains.

<b>XYZ(39.9994, 29.2923, 7.8207)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.9994, 29.2923,  
7.8207)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8713C
RGB	232, 113, 60
RGB Percent	91%, 44%, 24%
CMY	0.0902, 0.5568, 0.7647
CMYK	0.00, 0.51, 0.74, 0.09
HSL	18°, 79%, 57%
HSV	18°, 74%, 91%
XYZ	39.9994, 29.2923, 7.8207
YIQ	142.5390, 87.9370, 8.7450

# Conversions

## Conversions Part 2

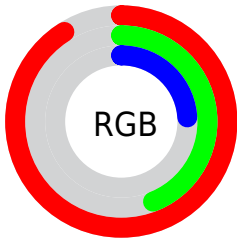
Format	Color
<a href="#">RYB</a>	<a href="#">232, 137, 60</a>
Decimal	<a href="#">15233340</a>
CIELab	<a href="#">61.04, 42.63, 49.69</a>
CIELCh	<a href="#">61, 65.469, 49.373</a>
Yxy	<a href="#">29.2923, 0.5187, 0.3799</a>
Android (android.graphics.Color)	<a href="#">4293423420</a> <a href="#">(0xFFE8713C)</a>
YUV	<a href="#">142.5390, -40.6917, 78.4573</a>
Hunter-Lab	<a href="#">54.1224, 37.2072, 29.3182</a>

# Details

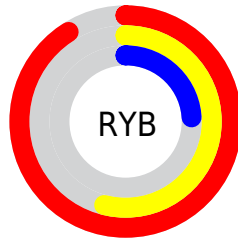
The XYZ color **39.9994, 29.2923, 7.8207** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **32.5476, 39.0241, 82.1602**, and the grayscale version is **26.0580, 27.4151, 29.8550**.

A 20% lighter version of the original color is **57.8732, 50.0232, 21.3570**, and **18.2901, 11.9011, 1.5629** is the 20% darker color. If you saturate the color by 10%, you get **37.8800, 25.8295, 4.7231**, and if you desaturate by 10%, it is **42.7054, 33.4991, 12.4396**.

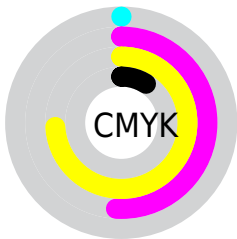
# Distribution



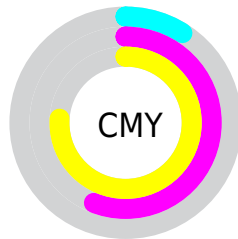
- Red (91%)
- Green (44%)
- Blue (24%)



- Red (91%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (74%)
- Black (9%)




- Cyan (9%)
- Magenta (56%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9994, 29.2923, 7.8207 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 39.9994, 29.2923, 7.8207 by changing the saturation by 10% instead.





 39.9994, 29.2923,  
7.8207


 39.9994, 29.2923,  
7.8207


337.2555,  
298.5916, 184.2006


 27.7223, 19.3021,  
3.8943


 74.4469, 58.5412,  
22.1465


 18.2558, 11.8887,  
1.5675


 97.3481, 78.5686,  
33.3830


 11.2346, 6.6680,  
0.2675


 124.5213,  
102.7105, 47.8933

 6.2933, 3.2553,  
0.0000

 156.3319,  
131.3513, 66.0960

 3.0666, 1.2664,  
0.0000

 193.1453,  
164.8755, 88.4095

 1.1891, 0.1150,  
0.0000

 235.3267,

 0.0977, 0.0000,

203.6673, 115.2524

0.0000

283.2417,  
248.1112, 147.0433

■ 0.0000, 0.0000,  
0.0000

■ 39.9994, 29.2923,  
7.8207

■ 39.9994, 29.2923,  
7.8207

■ 37.8800, 25.8295,  
4.7231

■ 42.7054, 33.4991,  
12.4396

■ 36.2906, 23.0574,  
2.9392


■ 46.0428, 38.4885,  
18.7476


■ 35.5634, 21.7257,  
2.3191


■ 50.0535, 44.3017,  
26.8920


■ 54.7751, 50.9756,  
37.0032

■ 60.2421, 58.5446,  
49.1999

 66.4868, 67.0410,  
63.5911

 73.5393, 76.4957,  
80.2784

 81.4282, 86.9379,  
99.3567

 87.0884, 95.8957,  
108.5274

# Harmonies

## Analogous

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



46.4452, 29.2923, 18.6684



39.9994, 29.2923, 7.8207



30.9900, 29.2923, 4.3706

# Triad

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



39.9994, 29.2923, 7.8207



14.5901, 29.2923, 23.9637



33.6691, 29.2923, 100.2804

# Complementary

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



39.9994, 29.2923, 7.8207



32.5476, 39.0241, 82.1602

# 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.



24.9137, 29.2923, 104.3288



39.9994, 29.2923, 7.8207



15.0166, 29.2923, 50.2361

# Square

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



39.9994, 29.2923, 7.8207



17.1201, 29.2923, 9.9871



18.4365, 29.2923, 82.7486



42.3033, 29.2923, 73.5128



# Rectangle

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



39.9994, 29.2923, 7.8207



25.2447, 29.2923, 4.3232



18.4365, 29.2923, 82.7486



30.6104, 29.2923, 104.7242

# Sweetspot

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



40.0001, 29.2939, 7.8212



76.1415, 74.5875, 64.3557



43.1734, 23.6991, 45.6928



15.8707, 15.3800, 12.8044



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.



40.0001, 29.2939, 7.8212



45.8171, 30.0779, 4.4925



54.1967, 57.6873, 12.5534



14.7375, 15.0888, 15.0401



19.8417, 12.2576, 1.3202



1.5464, 1.0661, 0.1243



# Inverse Universe

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



32.5476, 39.0241, 82.1602



35.8914, 42.1899, 100.8595



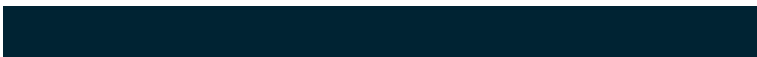
20.4674, 14.8637, 78.1335



14.4130, 15.5475, 18.3856



15.2301, 17.5222, 44.9626



1.2069, 1.4578, 3.3497



# Previews

## White Background



This preview shows how the XYZ color 39.9994, 29.2923, 7.8207 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 39.9994, 29.2923, 7.8207 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 39.9994, 29.2923, 7.8207**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9994, 29.2923, 7.8207.



This preview shows how white text looks on a background with the XYZ color 39.9994, 29.2923,



# 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

39.9994, 29.2923, 7.8207

### Protanopia

27.0052, 29.5145, 10.0679

### Deuteranopia

29.7879, 29.2036, 7.4350



## Tritanopia

42.5559, 29.3925, 19.3500

# Trichromacy



## Original Color

39.9994, 29.2923, 7.8207

## Protanomaly

30.6336, 28.5401, 9.0485

## Deuteranomaly

32.7838, 28.6683, 7.5470

## Tritanomaly

41.4207, 29.2379, 14.0500

# Monochromacy



## Original Color

39.9994, 29.2923, 7.8207

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

28.9111, 26.8087, 19.2736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9994, 29.2923, 7.8207 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(232, 113, 60)` looks like.

```
.text, #text, p{  
    color:rgb(232, 113, 60)  
}
```

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(232, 113, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 113, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9994, 29.2923, 7.8207 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(232, 113, 60) }
```



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

```
.border{ border-color:rgb(232, 113, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 113, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 113, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 113, 60);  
box-shadow:4px 4px 4px 4px rgb(232, 113,  
60) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9994, 29.2923, 7.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 113, 60) }
```

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

```
.background{ background-color: rgb(232,  
113, 60) }
```

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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