

# Converting Colors

XYZ(41.7526, 26.7998, 3.2191)

Have a look what the booklet for  
XYZ(41.7526, 26.7998, 3.2191)  
contains.

<b>XYZ(41.6277, 26.7573, 3.2291)</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(41.6277, 26.7573,  
3.2291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F65909
RGB	246, 89, 9
RGB Percent	96%, 35%, 4%
CMY	0.0353, 0.6509, 0.9647
CMYK	0.00, 0.64, 0.96, 0.04
HSL	20°, 93%, 50%
HSV	20°, 96%, 96%
XYZ	41.6277, 26.7573, 3.2291
YIQ	126.8230, 119.2520, 8.4040

# Conversions

## Conversions Part 2

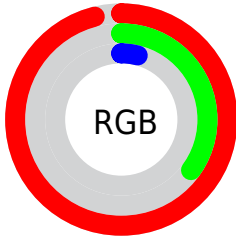
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 130, 9
Decimal	16144649
CIE <sub>Lab</sub>	58.75, 57.52, 66.97
CIE <sub>LCh</sub>	59, 88.279, 49.344
Yxy	26.7573, 0.5813, 0.3736
Android (android.graphics.Color)	4294334729 (0xFFFF65909)
YUV	126.8230, -58.0867, 104.5182
Hunter-Lab	51.7275, 53.1249, 32.5080

# Details

The XYZ color **41.6277, 26.7573, 3.2291** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **30.3822, 33.9821, 92.1459**, and the grayscale version is **20.2779, 21.3339, 23.2326**.

A 20% lighter version of the original color is **52.4709, 41.9530, 11.1266**, and **19.4480, 10.6076, 1.0225** is the 20% darker color. If you saturate the color by 10%, you get **41.1024, 25.7861, 2.8109**, and if you desaturate by 10%, it is **43.3715, 29.8714, 4.9635**.

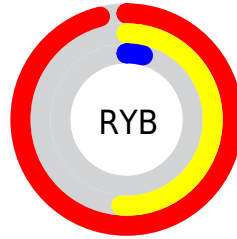
# Distribution



Red (96%)

Green (35%)

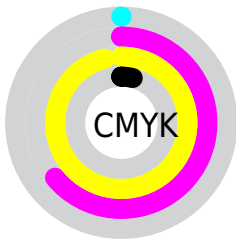
Blue (4%)



Red (96%)

Yellow (51%)

Blue (4%)

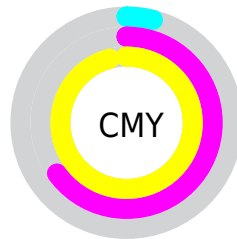


Cyan (0%)

Magenta (64%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (65%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6277, 26.7573, 3.2291 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 41.6277, 26.7573, 3.2291 by changing the saturation by 10% instead.





 41.6277, 26.7573,  
3.2291


 41.6277, 26.7573,  
3.2291


343.9552,  
286.4801, 139.2271

 28.9997, 17.3910,  
1.2128


 76.9046, 54.4942,  
12.1887


 19.2249, 10.5137,  
0.0000


 100.2841, 73.6336,  
19.9691

 11.9379, 5.7408,  
0.0000


 127.9783, 96.7994,  
30.5079

 6.7733, 2.6881,  
0.0000

 160.3524,  
124.3762, 44.2236

 3.3658, 0.9712,  
0.0000

 197.7718,  
156.7483, 61.5349


 1.3500, 0.0000,  
0.0000

 240.6018,

 0.2202, 0.0000,


194.3000, 82.8602


0.0000


 289.2078,  
237.4158, 108.6181


 0.0000, 0.0000,  
0.0000


 41.6277, 26.7573,  
3.2291


 41.6277, 26.7573,  
3.2291


 41.1024, 25.7861,  
2.8109

 43.3715, 29.8714,  
4.9635

 45.6853, 33.7215,  
8.1314

 48.6331, 38.3615,  
12.9854

 52.2682, 43.8373,  
19.7285

 56.6371, 50.1912,  
28.5343

61.7820, 57.4620,  
39.5566

67.7416, 65.6860,  
52.9345

74.5516, 74.8975,  
68.7954

82.2457, 85.1290,  
87.2577

# Harmonies

## Analogous

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



50.6952, 26.7573, 13.4626



41.6277, 26.7573, 3.2291



29.4968, 26.7573, 1.0171

# Triad

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



41.6277, 26.7573, 3.2291



9.9233, 26.7573, 19.4064



33.0037, 26.7573, 129.9989

# Complementary

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



41.6277, 26.7573, 3.2291



30.3822, 33.9821, 92.1459

# 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.



21.7589, 26.7573, 136.4649



41.6277, 26.7573, 3.2291



10.3674, 26.7573, 53.8044

# Square

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



41.6277, 26.7573, 3.2291



12.6412, 26.7573, 4.9462



14.0989, 26.7573, 102.2425



44.8156, 26.7573, 88.1371



# Rectangle

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



41.6277, 26.7573, 3.2291



22.1868, 26.7573, 0.9919



14.0989, 26.7573, 102.2425



28.9792, 26.7573, 137.1328

# Sweetspot

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



41.6283, 26.7589, 3.2295



71.6604, 68.7477, 53.2357



45.0786, 22.5782, 38.5419



14.7456, 13.8972, 10.0636



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.



41.6283, 26.7589, 3.2295



44.5745, 27.9289, 3.0415



60.2469, 63.9962, 9.4357



16.9563, 17.3967, 17.2618



22.0549, 13.9953, 1.5389



2.0296, 1.4124, 0.1657



# Inverse Universe

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



30.3822, 33.9821, 92.1459



32.2224, 35.5648, 99.7741



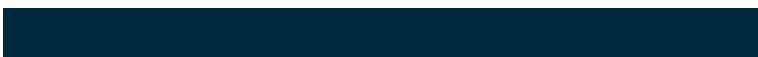
17.8248, 8.8673, 87.9601



16.4981, 17.7604, 21.1011



16.0002, 17.7942, 49.1294



1.5010, 1.7534, 4.3496



# Previews

## White Background



This preview shows how the XYZ color 41.6277, 26.7573, 3.2291 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 41.6277, 26.7573, 3.2291 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 41.6277, 26.7573, 3.2291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6277, 26.7573, 3.2291.



This preview shows how white text looks on a background with the XYZ color 41.6277, 26.7573,



# 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

41.6277, 26.7573, 3.2291

### Protanopia

24.3680, 26.8987, 4.9445

### Deuteranopia

27.2544, 26.9117, 3.7580



## Tritanopia

43.5661, 26.8476, 12.1184

# Trichromacy



## Original Color

41.6277, 26.7573, 3.2291

## Protanomaly

28.6951, 25.2928, 4.0314

## Deuteranomaly

31.1235, 25.6600, 3.3986

## Tritanomaly

42.3957, 26.5869, 7.0350

# Monochromacy



## Original Color

41.6277, 26.7573, 3.2291

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

24.0829, 20.9964, 11.1709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6277, 26.7573, 3.2291 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(246, 89, 9)` looks like.

```
.text, #text, p{  
    color:rgb(246, 89, 9)  
}
```

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(246, 89, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 89, 9) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6277, 26.7573, 3.2291 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(246, 89, 9) }
```



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

```
.border{ border-color:rgb(246, 89, 9) }
```

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

Here you see how a box with a 4 pixel rgb(246, 89, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 89, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 89, 9);  
box-shadow:4px 4px 4px 4px rgb(246, 89, 9)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 41.6277, 26.7573, 3.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 89, 9) }
```

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

```
.background{ background-color: rgb(246, 89,  
9) }
```

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