

Converting Colors

XYZ(40.8146, 27.7907, 3.6385)

Have a look what the booklet for
XYZ(40.8146, 27.7907, 3.6385)
contains.

XYZ(40.9121, 27.8468, 3.6341)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9121, 27.8468,
3.6341)**

Conversions

Conversions Part 1

Format	Color
Hex	F1640E
RGB	241, 100, 14
RGB Percent	95%, 39%, 5%
CMY	0.0549, 0.6078, 0.9451
CMYK	0.00, 0.59, 0.94, 0.05
HSL	23°, 89%, 50%
HSV	23°, 94%, 95%
XYZ	40.9121, 27.8468, 3.6341
YIQ	132.3550, 111.6420, 3.1460

Conversions

Conversions Part 2

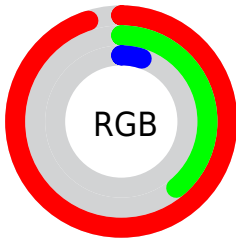
Format	Color
R _Y B	241, 152, 14
Decimal	15819790
CIE Lab	59.75, 51.01, 66.21
CIE LCh	60, 83.582, 52.387
Yxy	27.8468, 0.5651, 0.3847
Android (android.graphics.Color)	4294009870 (0xFFFF1640E)
YUV	132.3550, -58.3490, 95.2817
Hunter-Lab	52.7701, 46.0416, 32.8559

Details

The XYZ color **40.9121, 27.8468, 3.6341** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.7787, 29.8852, 87.5229**, and the grayscale version is **22.2378, 23.3959, 25.4781**.

A 20% lighter version of the original color is **54.1639, 45.1837, 12.1699**, and **19.0698, 11.2239, 1.1613** is the 20% darker color. If you saturate the color by 10%, you get **40.0431, 26.2360, 2.9536**, and if you desaturate by 10%, it is **42.7551, 31.0976, 5.5915**.

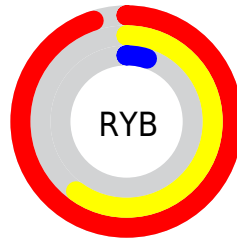
Distribution



Red (95%)

Green (39%)

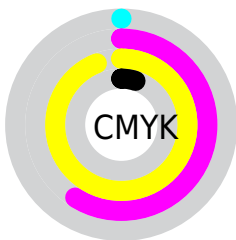
Blue (5%)



Red (95%)

Yellow (60%)

Blue (5%)

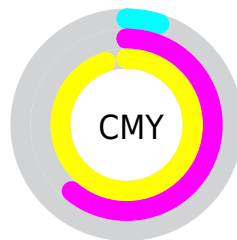


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (61%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9121, 27.8468, 3.6341 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 40.9121, 27.8468, 3.6341 by changing the saturation by 10% instead.


 40.9121, 27.8468,
3.6341


 40.9121, 27.8468,
3.6341

341.0220,
291.7341, 144.0672


 28.4378, 18.2102,
1.4268


 75.8260, 56.2398,
13.1567

 18.7981, 11.1010,
0.1625


 98.9963, 75.7649,
21.3091

 11.6276, 6.1348,
0.0000


 126.4626, 99.3550,
32.2803

 6.5610, 2.9272,
0.0000

 158.5903,
127.3945, 46.4888

 3.2330, 1.0939,
0.0000

 195.7447,
160.2678, 64.3533


 1.2781, 0.0000,
0.0000

 238.2912,


 0.1668, 0.0000,


198.3592, 86.2921


0.0000


 286.5952,
242.0532, 112.7239


 0.0000, 0.0000,
0.0000


 40.9121, 27.8468,
3.6341


 40.9121, 27.8468,
3.6341


 40.0431, 26.2360,
2.9536

 42.7551, 31.0976,
5.5915

 45.1260, 35.0017,
8.9644

 48.0799, 39.6024,
13.9784

 51.6627, 44.9368,
20.8182

 55.9151, 51.0388,
29.6434

60.8740, 57.9400,
40.5960

66.5732, 65.6699,
53.8050

73.0441, 74.2564,
69.3888

80.3163, 83.7261,
87.4575

Harmonies

Analogous

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



50.0611, 27.8468, 13.1143



40.9121, 27.8468, 3.6341



29.2526, 27.8468, 1.4825

Triad

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



40.9121, 27.8468, 3.6341



11.0002, 27.8468, 23.2440



34.9883, 27.8468, 122.2779

Complementary

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



40.9121, 27.8468, 3.6341



27.7787, 29.8852, 87.5229

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.



23.8651, 27.8468, 132.3591



40.9121, 27.8468, 3.6341



11.7709, 27.8468, 58.3346

Square

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



40.9121, 27.8468, 3.6341



13.4105, 27.8468, 6.8623



15.8993, 27.8468, 103.7614



46.0547, 27.8468, 81.5323

Rectangle

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



40.9121, 27.8468, 3.6341



22.3423, 27.8468, 1.5980



15.8993, 27.8468, 103.7614



31.0717, 27.8468, 130.1225

Sweetspot

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



40.9127, 27.8484, 3.6346



73.0578, 71.1199, 55.0048



42.5841, 21.4755, 34.1438



15.0457, 14.4179, 10.4083



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.



40.9127, 27.8484, 3.6346



45.4792, 29.7384, 3.3431



59.5828, 65.1885, 9.8579



16.2636, 16.7403, 16.5237



21.8344, 14.4668, 1.6416



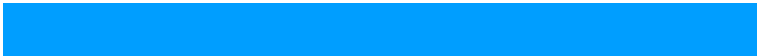
1.9094, 1.3894, 0.1675

Inverse Universe

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



27.7787, 29.8852, 87.5229



30.3426, 31.8052, 99.1475



16.9690, 8.2658, 83.9197



15.7150, 16.8642, 20.1485



14.6313, 15.4869, 47.3460



1.3127, 1.4794, 3.9706

Previews

White Background



This preview shows how the XYZ color 40.9121, 27.8468, 3.6341 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 40.9121, 27.8468, 3.6341 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 40.9121, 27.8468, 3.6341

Background



This preview shows how black text looks on a background with the XYZ color 40.9121, 27.8468, 3.6341.



This preview shows how white text looks on a background with the XYZ color 40.9121, 27.8468,

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

40.9121, 27.8468, 3.6341

Protanopia

25.4393, 28.1212, 5.1857

Deuteranopia

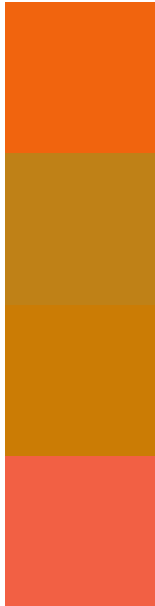
28.2371, 27.8364, 3.8847



Tritanopia

43.1286, 27.7842, 14.8941

Trichromacy



Original Color

40.9121, 27.8468, 3.6341

Protanomaly

29.4908, 26.8387, 4.4367

Deuteranomaly

31.8636, 27.1228, 3.6994

Tritanomaly

41.8442, 27.6603, 8.6024

Monochromacy



Original Color

40.9121, 27.8468, 3.6341

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

25.5329, 22.9249, 12.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9121, 27.8468, 3.6341 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(241, 100, 14)` looks like.

```
.text, #text, p{  
    color:rgb(241, 100, 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(241, 100, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 100, 14) }
```

Border

The CSS property to change the border of an element to XYZ 40.9121, 27.8468, 3.6341 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(241, 100, 14) }
```


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

```
.border{ border-color:rgb(241, 100, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 100, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 100, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 100, 14);  
box-shadow:4px 4px 4px 4px rgb(241, 100,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9121, 27.8468, 3.6341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 100, 14) }
```

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

```
.background{ background-color: rgb(241,  
100, 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](#).

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