

Converting Colors

XYZ(40.7149, 22.9583, 2.2855)

Have a look what the booklet for
XYZ(40.7149, 22.9583, 2.2855)
contains.

XYZ(40.7435, 22.9623, 2.2848)	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(40.7435, 22.9623,
2.2848)**

Conversions

Conversions Part 1

Format	Color
Hex	FA3600
RGB	250, 54, 0
RGB Percent	98%, 21%, 0%
CMY	0.0196, 0.7882, 1.0000
CMYK	0.00, 0.78, 1.00, 0.02
HSL	13°, 100%, 49%
HSV	13°, 100%, 98%
XYZ	40.7435, 22.9623, 2.2848
YIQ	106.4480, 134.1500, 24.7580

Conversions

Conversions Part 2

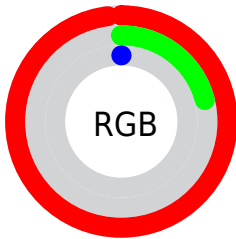
Format	Color
R _Y B	250, 69, 0
Decimal	16397824
CIE Lab	55.03, 70.82, 67.31
CIE LCh	55, 97.704, 43.542
Yxy	22.9623, 0.6174, 0.3480
Android (android.graphics.Color)	4294587904 (0xFFFA3600)
YUV	106.4480, -52.4789, 125.8951
Hunter-Lab	47.9190, 67.9128, 30.7163

Details

The XYZ color **40.7435, 22.9623, 2.2848** 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 **36.9922, 46.3760, 97.4435**, and the grayscale version is **13.9390, 14.6649, 15.9701**.

A 20% lighter version of the original color is **48.4436, 34.3195, 8.4859**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.7438, 22.9634, 2.2849**, and if you desaturate by 10%, it is **42.0227, 25.2404, 3.5770**.

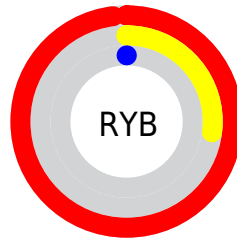
Distribution



Red (98%)

Green (21%)

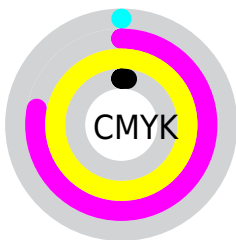
Blue (0%)



Red (98%)

Yellow (27%)

Blue (0%)

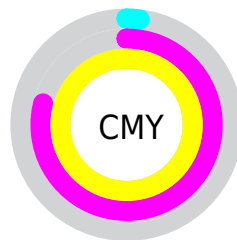


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7435, 22.9623, 2.2848 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 40.7435, 22.9623, 2.2848 by changing the saturation by 10% instead.

 40.7435, 22.9623,
2.2848


 40.7435, 22.9623,
2.2848


340.3284,
267.5313, 126.6532


 28.3055, 14.5657,
0.7227


 75.5715, 48.3314,
9.8057

 18.6977, 8.5151,
0.0000


 98.6923, 66.0727,
16.6213

 11.5548, 4.4263,
0.0000


 126.1047, 87.6976,
26.0316

 6.5113, 1.9148,
0.0000

 158.1740,
113.5907, 38.4551

 3.2020, 0.5572,
0.0000

 195.2657,
144.1361, 54.3106


 1.2615, 0.0000,
0.0000

 237.7451,


 0.1541, 0.0000,


179.7185, 74.0164


0.0000


 285.9775,
220.7221, 97.9911


 0.0000, 0.0000,
0.0000


 40.7435, 22.9623,
2.2848


 40.7435, 22.9623,
2.2848

 40.7438, 22.9634,
2.2849

 42.0227, 25.2404,
3.5770

 43.9330, 28.4205,
6.1883

 46.5784, 32.6003,
10.4949

 50.0316, 37.8583,
16.7281

 54.3558, 44.2642,
25.0824

■ 59.6074, 51.8821,
35.7284

■ 65.8382, 60.7710,
48.8194

■ 73.0957, 70.9861,
64.4950

■ 81.4245, 82.5790,
82.8846

Harmonies

Analogous

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



49.0912, 22.9623, 13.4450



40.7435, 22.9623, 2.2848



28.2957, 22.9623, 0.0828

Triad

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



40.7435, 22.9623, 2.2848



7.2940, 22.9623, 11.5922



27.0920, 22.9623, 139.9604

Complementary

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



40.7435, 22.9623, 2.2848



36.9922, 46.3760, 97.4435

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.



16.4246, 22.9623, 137.4903



40.7435, 22.9623, 2.2848



7.1623, 22.9623, 41.7939

Square

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



40.7435, 22.9623, 2.2848



10.3639, 22.9623, 1.8752



9.9130, 22.9623, 93.0276



39.6142, 22.9623, 98.2942

Rectangle

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



40.7435, 22.9623, 2.2848



20.5595, 22.9623, 0.0000



9.9130, 22.9623, 93.0276



23.1414, 22.9623, 144.9018

Sweetspot

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



40.7440, 22.9637, 2.2851



68.8476, 63.5373, 51.0184



49.8494, 24.4941, 56.7442



14.1203, 12.7245, 9.6149



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.



40.7440, 22.9637, 2.2851



42.6106, 24.0013, 2.3869



54.7541, 50.9841, 6.9552



17.5486, 17.8330, 17.9796



21.6969, 12.3505, 1.2403



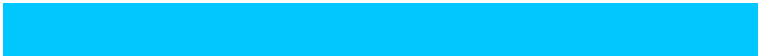
2.0836, 1.2920, 0.1396

Inverse Universe

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



36.9922, 46.3760, 97.4435



38.6826, 48.4852, 101.9275



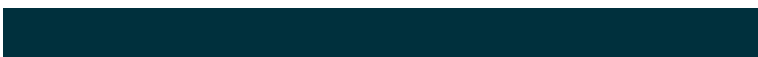
19.7715, 11.9346, 91.7033



17.4289, 18.9347, 22.1215



19.7318, 24.8192, 51.7242



1.9037, 2.4511, 4.8160

Previews

White Background



This preview shows how the XYZ color 40.7435, 22.9623, 2.2848 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 40.7435, 22.9623, 2.2848 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 40.7435, 22.9623, 2.2848

Background



This preview shows how black text looks on a background with the XYZ color 40.7435, 22.9623, 2.2848.



This preview shows how white text looks on a background with the XYZ color 40.7435, 22.9623,

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

40.7435, 22.9623, 2.2848

Protanopia

21.0163, 23.2584, 4.6099

Deuteranopia

23.3972, 23.1372, 3.2328



Tritanopia

41.5650, 23.1159, 5.4031

Trichromacy



Original Color

40.7435, 22.9623, 2.2848

Protanomaly

25.3176, 20.3867, 3.2167

Deuteranomaly

27.5831, 20.9847, 2.5967

Tritanomaly

41.2724, 23.0695, 3.6441

Monochromacy



Original Color

40.7435, 22.9623, 2.2848

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.5219, 14.4907, 7.1310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7435, 22.9623, 2.2848 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(250, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 54, 0)  
}
```

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(250, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 54, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.7435, 22.9623, 2.2848 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(250, 54, 0) }
```


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

```
.border{ border-color:rgb(250, 54, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.7435, 22.9623, 2.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 54, 0) }
```

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

```
.background{ background-color: rgb(250, 54,  
0) }
```

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