

Converting Colors

XYZ(40.3601, 22.2488, 2.1672)

Have a look what the booklet for
XYZ(40.3601, 22.2488, 2.1672)
contains.

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Color

**XYZ(40.4013, 22.2780,
2.1707)**

Conversions

Conversions Part 1

Format	Color
Hex	FA2E00
RGB	250, 46, 0
RGB Percent	98%, 18%, 0%
CMY	0.0196, 0.8195, 1.0000
CMYK	0.00, 0.82, 1.00, 0.02
HSL	11°, 100%, 49%
HSV	11°, 100%, 98%
XYZ	40.4013, 22.2780, 2.1707
YIQ	101.7520, 136.3500, 28.9420

Conversions

Conversions Part 2

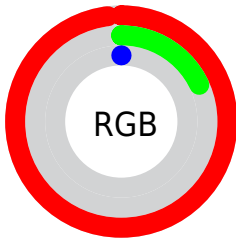
Format	Color
R_{YB}	250, 56, 0
Decimal	16395776
CIE _{Lab}	54.32, 72.84, 67.01
CIE _{LCh}	54, 98.974, 42.615
Yxy	22.2780, 0.6230, 0.3435
Android (android.graphics.Color)	4294585856 (0xFFFA2E00)
YUV	101.7520, -50.1637, 130.0135
Hunter-Lab	47.1996, 70.1909, 30.3130

Details

The XYZ color **40.4013, 22.2780, 2.1707** 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 **38.8435, 50.0786, 98.0605**, and the grayscale version is **12.6689, 13.3287, 14.5149**.

A 20% lighter version of the original color is **47.8765, 33.1853, 8.2969**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.4017, 22.2792, 2.1709**, and if you desaturate by 10%, it is **41.5722, 24.3395, 3.4267**.

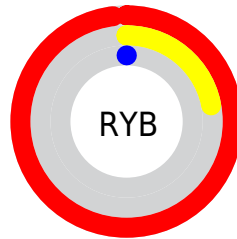
Distribution



Red (98%)

Green (18%)

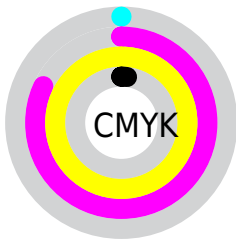
Blue (0%)



Red (98%)

Yellow (22%)

Blue (0%)

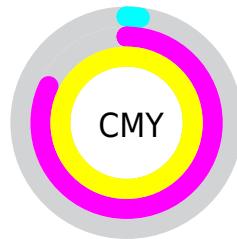


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4013, 22.2780, 2.1707 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 40.4013, 22.2780, 2.1707 by changing the saturation by 10% instead.

 40.4013, 22.2780,
2.1707


 40.4013, 22.2780,
2.1707

338.9176,
263.9946, 124.9735

 28.0372, 14.0613,
0.6574


 75.0547, 47.2050,
9.5024


 18.4943, 8.1633,
0.0000


 98.0746, 64.6842,
16.1894


 11.4073, 4.1996,
0.0000


 125.3772, 86.0196,
25.4483

 6.4108, 1.7859,
0.0000

 157.3279,
111.5957, 37.6980

 3.1394, 0.4783,
0.0000

 194.2919,
141.7968, 53.3568


 1.2279, 0.0000,
0.0000


 236.6346,


 0.1282, 0.0000,


177.0075, 72.8432


0.0000


 284.7214,
217.6119, 96.5760


 0.0000, 0.0000,
0.0000


 40.4013, 22.2780,
2.1707


 40.4013, 22.2780,
2.1707


 40.4017, 22.2792,
2.1709

 41.5722, 24.3395,
3.4267

 43.3931, 27.3408,
6.0081

 45.9741, 31.3920,
10.2931

 49.3930, 36.5814,
16.5147

 53.7173, 42.9877,
24.8689

■ 59.0073, 50.6823,
35.5275

■ 65.3180, 59.7311,
48.6449

■ 72.7002, 70.1955,
64.3618

■ 81.2011, 82.1329,
82.8086

Harmonies

Analogous

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



48.5514, 22.2780, 13.4585



40.4013, 22.2780, 2.1707



27.9965, 22.2780, 0.0000

Triad

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



40.4013, 22.2780, 2.1707



6.9073, 22.2780, 10.4847



26.0355, 22.2780, 140.6715

Complementary

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



40.4013, 22.2780, 2.1707



38.8435, 50.0786, 98.0605

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.



15.5619, 22.2780, 136.5815



40.4013, 22.2780, 2.1707



6.6977, 22.2780, 39.6816

Square

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



40.4013, 22.2780, 2.1707



10.0066, 22.2780, 1.5437



9.2841, 22.2780, 90.8047



38.5524, 22.2780, 99.4965

Rectangle

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



40.4013, 22.2780, 2.1707



20.2422, 22.2780, 0.0000



9.2841, 22.2780, 90.8047



22.1351, 22.2780, 145.1474

Sweetspot

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



40.4018, 22.2794, 2.1710



68.3038, 62.4497, 50.8372



50.3430, 24.6915, 59.3439



13.9952, 12.4742, 9.5732



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.



40.4018, 22.2794, 2.1710



42.2541, 23.2882, 2.2680



53.9554, 49.3867, 6.6889



17.5030, 17.7419, 17.9644



21.5052, 11.9670, 1.1764



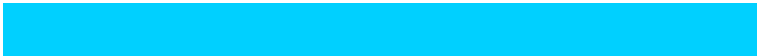
2.0595, 1.2439, 0.1316

Inverse Universe

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



38.8435, 50.0786, 98.0605



40.6207, 52.3614, 102.5736



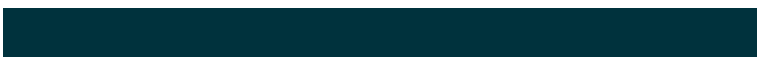
20.0633, 12.5183, 91.8004



17.4782, 19.0333, 22.1379



20.7026, 26.7607, 52.0478



1.9855, 2.6147, 4.8432

Previews

White Background



This preview shows how the XYZ color 40.4013, 22.2780, 2.1707 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 40.4013, 22.2780, 2.1707 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 40.4013, 22.2780, 2.1707

Background



This preview shows how black text looks on a background with the XYZ color 40.4013, 22.2780, 2.1707.



This preview shows how white text looks on a background with the XYZ color 40.4013, 22.2780,

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

40.4013, 22.2780, 2.1707

Protanopia

20.3833, 22.5294, 4.5026

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

40.7061, 22.2189, 4.3337

Trichromacy



Original Color

40.4013, 22.2780, 2.1707

Protanomaly

24.4419, 19.3517, 3.0631

Deuteranomaly

26.6885, 19.9678, 2.4475

Tritanomaly

40.5229, 22.2045, 3.1870

Monochromacy



Original Color

40.4013, 22.2780, 2.1707

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.6817, 13.4842, 6.6718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4013, 22.2780, 2.1707 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, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 46, 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, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.4013, 22.2780, 2.1707 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, 46, 0) }
```


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

```
.border{ border-color:rgb(250, 46, 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, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.4013, 22.2780, 2.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 46, 0) }
```

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

```
.background{ background-color: rgb(250, 46,  
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](#).

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