

Converting Colors

XYZ(39.9746, 21.4778, 2.0387)

Have a look what the booklet for
XYZ(39.9746, 21.4778, 2.0387)
contains.

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Color

**XYZ(40.0254, 21.5261,
2.0454)**

Conversions

Conversions Part 1

Format	Color
Hex	FA2300
RGB	250, 35, 0
RGB Percent	98%, 14%, 0%
CMY	0.0196, 0.8626, 1.0000
CMYK	0.00, 0.86, 1.00, 0.02
HSL	8°, 100%, 49%
HSV	8°, 100%, 98%
XYZ	40.0254, 21.5261, 2.0454
YIQ	95.2950, 139.3750, 34.6950

Conversions

Conversions Part 2

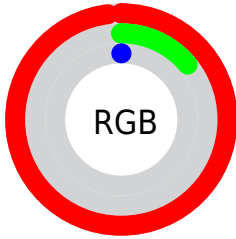
Format	Color
R _Y B	250, 41, 0
Decimal	16392960
CIE Lab	53.52, 75.12, 66.70
CIE LCh	54, 100.453, 41.602
Yxy	21.5261, 0.6294, 0.3385
Android (android.graphics.Color)	4294583040 (0xFFFA2300)
YUV	95.2950, -46.9804, 135.6763
Hunter-Lab	46.3962, 72.7961, 29.8635

Details

The XYZ color **40.0254, 21.5261, 2.0454** 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 **41.5493, 55.4902, 98.9626**, and the grayscale version is **11.0372, 11.6120, 12.6454**.

A 20% lighter version of the original color is **47.2096, 31.8943, 7.9430**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.0258, 21.5273, 2.0456**, and if you desaturate by 10%, it is **41.0392, 23.2734, 3.2491**.

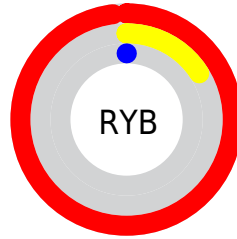
Distribution



Red (98%)

Green (14%)

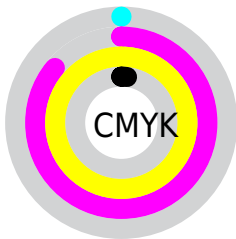
Blue (0%)



Red (98%)

Yellow (16%)

Blue (0%)

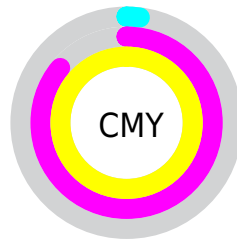


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0254, 21.5261, 2.0454 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 40.0254, 21.5261, 2.0454 by changing the saturation by 10% instead.


 40.0254, 21.5261,
2.0454


 40.0254, 21.5261,
2.0454

 337.3632,
260.0614, 123.0778

 27.7426, 13.5091,
0.5830

 74.4863, 45.9615,
9.1646

 18.2712, 7.7800,
0.0000


 97.3951, 63.1487,
15.7064


 11.2457, 3.9545,
0.0000


 124.5767, 84.1614,
24.7945

 6.3009, 1.6482,
0.0000

 156.3964,
109.3840, 36.8474

 3.0713, 0.3897,
0.0000

 193.2195,
139.2009, 52.2837


 1.1916, 0.0000,
0.0000

 235.4115,


 0.0997, 0.0000,


173.9965, 71.5218


0.0000


 283.3376,
214.1552, 94.9803


 0.0000, 0.0000,
0.0000


 40.0254, 21.5261,
2.0454


 40.0254, 21.5261,
2.0454

 40.0258, 21.5273,
2.0456

 41.0392, 23.2734,
3.2491

 42.7257, 26.0060,
5.7856

 45.2053, 29.8542,
10.0369

 48.5638, 34.9227,
16.2383

 52.8755, 41.3039,
24.5883

■ 58.2067, 49.0809,
35.2608

■ 64.6177, 58.3303,
48.4116

■ 72.1639, 69.1228,
64.1833

■ 80.8971, 81.5246,
82.7075

Harmonies

Analogous

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



47.9589, 21.5261, 13.4720



40.0254, 21.5261, 2.0454



27.6653, 21.5261, 0.0000

Triad

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



40.0254, 21.5261, 2.0454



6.4875, 21.5261, 9.3254



24.8834, 21.5261, 141.5194

Complementary

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



40.0254, 21.5261, 2.0454



41.5493, 55.4902, 98.9626

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.



14.6287, 21.5261, 135.6091



40.0254, 21.5261, 2.0454



6.1984, 21.5261, 37.3997

Square

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



40.0254, 21.5261, 2.0454



9.6134, 21.5261, 1.2194



8.6083, 21.5261, 88.3739



37.3880, 21.5261, 100.8869

Rectangle

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



40.0254, 21.5261, 2.0454



19.8899, 21.5261, 0.0000



8.6083, 21.5261, 88.3739



21.0407, 21.5261, 145.4717

Sweetspot

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



40.0258, 21.5275, 2.0457



67.5706, 60.9833, 50.5928



51.9050, 25.3163, 67.5691



13.8271, 12.1381, 9.5172



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.



40.0258, 21.5275, 2.0457



41.8626, 22.5052, 2.1375



51.7079, 44.8916, 5.9397



17.4407, 17.6173, 17.9436



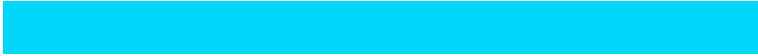
21.2911, 11.5388, 1.1050



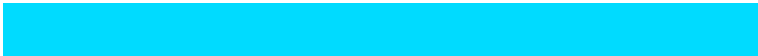
2.0299, 1.1846, 0.1217

Inverse Universe

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



41.5493, 55.4902, 98.9626



43.4533, 58.0266, 103.5178



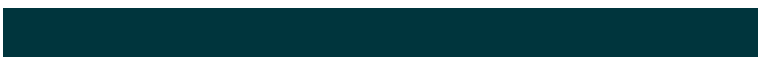
21.0537, 14.4990, 92.1307



17.5463, 19.1695, 22.1606



22.1196, 29.5947, 52.5201



2.1038, 2.8513, 4.8827

Previews

White Background



This preview shows how the XYZ color 40.0254, 21.5261, 2.0454 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 40.0254, 21.5261, 2.0454 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 40.0254, 21.5261, 2.0454

Background



This preview shows how black text looks on a background with the XYZ color 40.0254, 21.5261, 2.0454.



This preview shows how white text looks on a background with the XYZ color 40.0254, 21.5261,

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

40.0254, 21.5261, 2.0454

Protanopia

19.5992, 21.7287, 4.4574

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.1900, 21.5004, 3.1941

Trichromacy



Original Color

40.0254, 21.5261, 2.0454

Protanomaly

23.7469, 18.3022, 2.9429

Deuteranomaly

25.9043, 18.7817, 2.2599

Tritanomaly

40.1055, 21.5117, 2.6106

Monochromacy



Original Color

40.0254, 21.5261, 2.0454

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.9607, 11.6706, 5.6864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0254, 21.5261, 2.0454 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, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 35, 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, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 35, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.0254, 21.5261, 2.0454 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, 35, 0) }
```


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

```
.border{ border-color:rgb(250, 35, 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, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.0254, 21.5261, 2.0454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 35, 0) }
```

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

```
.background{ background-color: rgb(250, 35,  
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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