

Converting Colors

XYZ(40.5416, 22.6118, 2.2277)

Have a look what the booklet for
XYZ(40.5416, 22.6118, 2.2277)
contains.

XYZ(40.5649, 22.6052, 2.2252)	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(40.5649, 22.6052,
2.2252)**

Conversions

Conversions Part 1

Format	Color
Hex	FA3200
RGB	250, 50, 0
RGB Percent	98%, 20%, 0%
CMY	0.0196, 0.8038, 1.0000
CMYK	0.00, 0.80, 1.00, 0.02
HSL	12°, 100%, 49%
HSV	12°, 100%, 98%
XYZ	40.5649, 22.6052, 2.2252
YIQ	104.1000, 135.2500, 26.8500

Conversions

Conversions Part 2

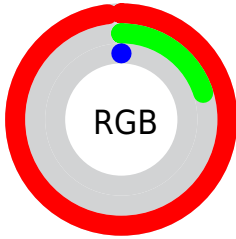
Format	Color
RYB	250, 63, 0
Decimal	16396800
CIELab	54.66, 71.87, 67.15
CIElCh	55, 98.358, 43.058
Yxy	22.6052, 0.6203, 0.3457
Android (android.graphics.Color)	4294586880 (0xFFFA3200)
YUV	104.1000, -51.3213, 127.9543
Hunter-Lab	47.5449, 69.0910, 30.5066

Details

The XYZ color **40.5649, 22.6052, 2.2252** 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 **37.9052, 48.2021, 97.7477**, and the grayscale version is **13.2950, 13.9874, 15.2323**.

A 20% lighter version of the original color is **48.2130, 33.8584, 8.4091**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.5653, 22.6065, 2.2255**, and if you desaturate by 10%, it is **41.7907, 24.7764, 3.4995**.

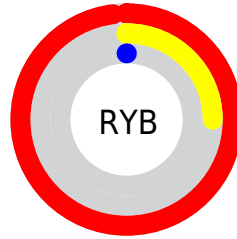
Distribution



Red (98%)

Green (20%)

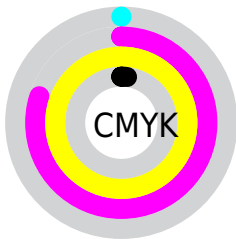
Blue (0%)



Red (98%)

Yellow (25%)

Blue (0%)

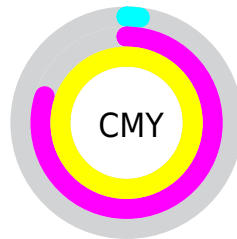


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5649, 22.6052, 2.2252 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 40.5649, 22.6052, 2.2252 by changing the saturation by 10% instead.


 40.5649, 22.6052,
2.2252


 40.5649, 22.6052,
2.2252

339.5926,
265.6907, 125.7811


 28.1654, 14.3023,
0.6889


 75.3018, 47.7442,
9.6478


 18.5915, 8.3312,
0.0000


 98.3700, 65.3491,
16.3966


 11.4777, 4.3076,
0.0000


 125.7252, 86.8235,
25.7283

 6.4588, 1.8471,
0.0000

 157.7326,
112.5517, 38.0616

 3.1693, 0.5163,
0.0000

 194.7577,
142.9181, 53.8150


 1.2439, 0.0000,
0.0000

 237.1658,


 0.1406, 0.0000,


178.3071, 73.4070


0.0000


 285.3223,
219.1032, 97.2562


 0.0000, 0.0000,
0.0000


 40.5649, 22.6052,
2.2252


 40.5649, 22.6052,
2.2252


 40.5653, 22.6065,
2.2255

 41.7907, 24.7764,
3.4995

 43.6571, 27.8690,
6.0960

 46.2713, 31.9865,
10.3920

 49.7084, 37.2122,
16.6196

 54.0335, 43.6202,
24.9740

■ 59.3052, 51.2781,
35.6264

■ 65.5766, 60.2483,
48.7306

■ 72.8969, 70.5890,
64.4268

■ 81.3120, 82.3547,
82.8449

Harmonies

Analogous

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



48.8095, 22.6052, 13.4520



40.5649, 22.6052, 2.2252



28.1398, 22.6052, 0.0110

Triad

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



40.5649, 22.6052, 2.2252



7.0917, 22.6052, 11.0082



26.5398, 22.6052, 140.3249

Complementary

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



40.5649, 22.6052, 2.2252



37.9052, 48.2021, 97.7477

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.



15.9729, 22.6052, 137.0140



40.5649, 22.6052, 2.2252



6.9187, 22.6052, 40.6878

Square

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



40.5649, 22.6052, 2.2252



10.1774, 22.6052, 1.6979



9.5832, 22.6052, 91.8670



39.0600, 22.6052, 98.9143

Rectangle

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



40.5649, 22.6052, 2.2252



20.3942, 22.6052, 0.0000



9.5832, 22.6052, 91.8670



22.6152, 22.6052, 145.0248

Sweetspot

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



40.5654, 22.6066, 2.2255



68.5747, 62.9915, 50.9275



49.8492, 24.4939, 56.7437



14.0575, 12.5988, 9.5940



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.



40.5654, 22.6066, 2.2255



42.4246, 23.6293, 2.3249



54.7539, 50.9836, 6.9550



17.5258, 17.7874, 17.9720



21.5972, 12.1510, 1.2071



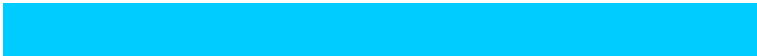
2.0713, 1.2674, 0.1355

Inverse Universe

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



37.9052, 48.2021, 97.7477



39.6385, 50.3970, 102.2462



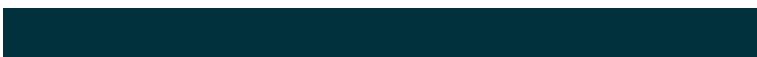
19.7713, 11.9343, 91.7031



17.4535, 18.9839, 22.1297



20.2108, 25.7771, 51.8838



1.9442, 2.5320, 4.8294

Previews

White Background



This preview shows how the XYZ color 40.5649, 22.6052, 2.2252 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 40.5649, 22.6052, 2.2252 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 40.5649, 22.6052, 2.2252

Background



This preview shows how black text looks on a background with the XYZ color 40.5649, 22.6052, 2.2252.



This preview shows how white text looks on a background with the XYZ color 40.5649, 22.6052,

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

40.5649, 22.6052, 2.2252

Protanopia

20.6984, 22.8922, 4.5560

Deuteranopia

22.8507, 22.6666, 3.1707



Tritanopia

40.9340, 22.5543, 4.7807

Trichromacy



Original Color

40.5649, 22.6052, 2.2252

Protanomaly

24.8765, 19.8640, 3.1391

Deuteranomaly

27.1326, 20.4711, 2.5213

Tritanomaly

40.7031, 22.5266, 3.3652

Monochromacy



Original Color

40.5649, 22.6052, 2.2252

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

18.0583, 13.9021, 6.8859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5649, 22.6052, 2.2252 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, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 50, 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, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.5649, 22.6052, 2.2252 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, 50, 0) }
```


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

```
.border{ border-color:rgb(250, 50, 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, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.5649, 22.6052, 2.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 50, 0) }
```

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

```
.background{ background-color: rgb(250, 50,  
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