

Converting Colors

XYZ(42.5295, 23.8128, 2.4409)

Have a look what the booklet for
XYZ(42.5295, 23.8128, 2.4409)
contains.

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Color

**XYZ(42.5295, 23.8128,
2.4409)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3503
RGB	255, 53, 3
RGB Percent	100%, 21%, 1%
CMY	0.0000, 0.7921, 0.9882
CMYK	0.00, 0.79, 0.99, 0.00
HSL	12°, 100%, 51%
HSV	12°, 99%, 100%
XYZ	42.5295, 23.8128, 2.4409
YIQ	107.6980, 136.4420, 27.2740

Conversions

Conversions Part 2

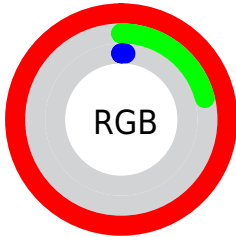
Format	Color
R_{YB}	255, 65, 3
Decimal	16725251
CIE Lab	55.90, 72.52, 67.57
CIE LCh	56, 99.121, 42.978
Yxy	23.8128, 0.6183, 0.3462
Android (android.graphics.Color)	4294915331 (0xFFFF3503)
YUV	107.6980, -51.6161, 129.1839
Hunter-Lab	48.7984, 70.1719, 31.1932

Details

The XYZ color **42.5295, 23.8128, 2.4409** is a dark color, and the websafe version is hex **FF3300**, and the color name is **electric orange**. The color can be described as dark saturated red. A complement of this color would be **39.9144, 50.8933, 102.3265**, and the grayscale version is **14.2848, 15.0287, 16.3663**.

A 20% lighter version of the original color is **48.4985, 34.3415, 8.7750**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.4066, 23.5937, 2.3190**, and if you desaturate by 10%, it is **43.8680, 26.1715, 3.8698**.

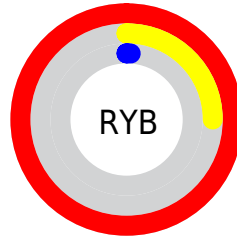
Distribution



Red (100%)

Green (21%)

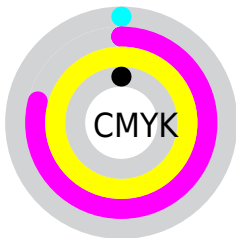
Blue (1%)



Red (100%)

Yellow (25%)

Blue (1%)

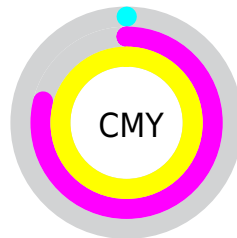


Cyan (0%)

Magenta (79%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5295, 23.8128, 2.4409 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 42.5295, 23.8128, 2.4409 by changing the saturation by 10% instead.


 42.5295, 23.8128,
2.4409


 42.5295, 23.8128,
2.4409


347.6276,
271.8727, 128.8859

 29.7090, 15.1948,
0.8086


 78.2605, 49.7245,
10.2145

 19.7648, 8.9562,
0.0000


 101.9018, 67.7871,
17.2011


 12.3315, 4.7126,
0.0000


 129.8807, 89.7666,
26.8123

 7.0437, 2.0797,
0.0000

 162.5627,
116.0475, 39.4666

 3.5360, 0.6532,
0.0000

 200.3130,
147.0142, 55.5825


 1.4431, 0.0000,
0.0000

 243.4970,


 0.2866, 0.0000,


183.0510, 75.5787


0.0000


 292.4801,
224.5424, 99.8736


 0.0000, 0.0000,
0.0000


 42.5295, 23.8128,
2.4409


 42.5295, 23.8128,
2.4409


 42.4066, 23.5937,
2.3190

 43.8680, 26.1715,
3.8698

 45.8989, 29.5131,
6.7677

 48.7243, 33.9419,
11.4766

 52.4218, 39.5445,
18.2349

 57.0592, 46.3982,
27.2443

62.6973, 54.5739,
38.6823

69.3916, 64.1366,
52.7084

77.1935, 75.1474,
69.4685

86.1508, 87.6634,
89.0975

Harmonies

Analogous

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



51.0760, 23.8128, 14.3186



42.5295, 23.8128, 2.4409



29.6046, 23.8128, 0.1119

Triad

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



42.5295, 23.8128, 2.4409



7.5711, 23.8128, 11.6502



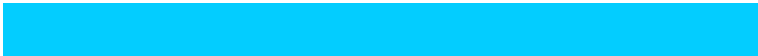
27.8690, 23.8128, 146.0213

Complementary

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



42.5295, 23.8128, 2.4409



39.9144, 50.8933, 102.3265

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.



16.8526, 23.8128, 142.4547



42.5295, 23.8128, 2.4409



7.3816, 23.8128, 42.5537

Square

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



42.5295, 23.8128, 2.4409



10.8221, 23.8128, 1.8533



10.1728, 23.8128, 95.6381



40.9005, 23.8128, 103.2406

Rectangle

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



42.5295, 23.8128, 2.4409



21.5238, 23.8128, 0.0000



10.1728, 23.8128, 95.6381



23.7804, 23.8128, 150.8362

Sweetspot

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



42.5300, 23.8143, 2.4412



68.5477, 62.9375, 50.9185



52.7560, 25.9185, 62.4137



14.0512, 12.5864, 9.5919



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.



42.5300, 23.8143, 2.4412



42.4070, 23.5940, 2.3190



56.6249, 52.0042, 7.1395



18.3012, 18.5707, 18.7642



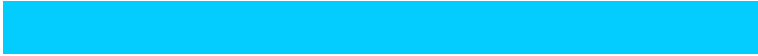
22.2406, 12.4925, 1.2391



2.2377, 1.3607, 0.1447

Inverse Universe

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



39.9144, 50.8933, 102.3265



39.7350, 50.5900, 102.2783



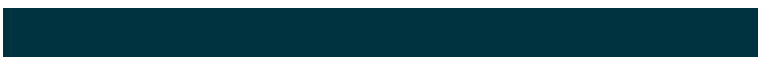
21.1654, 13.3954, 96.0769



18.2306, 19.8328, 23.1172



20.8703, 26.6502, 53.4786



2.1064, 2.7434, 5.2318

Previews

White Background



This preview shows how the XYZ color 42.5295, 23.8128, 2.4409 looks on a white background.

Color Contrast Check

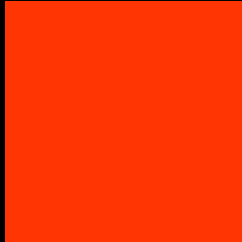
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5295, 23.8128, 2.4409 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 42.5295, 23.8128, 2.4409

Background



This preview shows how black text looks on a background with the XYZ color 42.5295, 23.8128, 2.4409.



This preview shows how white text looks on a background with the XYZ color 42.5295, 23.8128,

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

42.5295, 23.8128, 2.4409

Protanopia

21.6608, 24.0010, 4.7193

Deuteranopia

24.0814, 23.8734, 3.3388



Tritanopia

42.9995, 23.8579, 5.3563

Trichromacy



Original Color

42.5295, 23.8128, 2.4409

Protanomaly

26.1641, 20.9725, 3.3309

Deuteranomaly

28.4786, 21.5889, 2.6948

Tritanomaly

42.7425, 23.8258, 3.7849

Monochromacy



Original Color

42.5295, 23.8128, 2.4409

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.2932, 14.9987, 7.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5295, 23.8128, 2.4409 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(255, 53, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 3)  
}
```

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(255, 53, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 3) }
```

Border

The CSS property to change the border of an element to XYZ 42.5295, 23.8128, 2.4409 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(255, 53, 3) }
```


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

```
.border{ border-color:rgb(255, 53, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 53, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.5295, 23.8128, 2.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 3) }
```

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

```
.background{ background-color: rgb(255, 53,  
3) }
```

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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