

Converting Colors

XYZ(42.7123, 25.8156, 2.7317)

Have a look what the booklet for
XYZ(42.7123, 25.8156, 2.7317)
contains.

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Color

**XYZ(42.7293, 25.8643,
2.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	FC4C00
RGB	252, 76, 0
RGB Percent	99%, 30%, 0%
CMY	0.0118, 0.7019, 1.0000
CMYK	0.00, 0.70, 1.00, 0.01
HSL	18°, 100%, 49%
HSV	18°, 100%, 99%
XYZ	42.7293, 25.8643, 2.7402
YIQ	119.9600, 129.2920, 13.6760

Conversions

Conversions Part 2

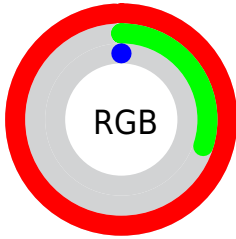
Format	Color
RYB	252, 109, 0
Decimal	16534528
CIELab	57.91, 64.46, 68.82
CIELCh	58, 94.292, 46.872
Yxy	25.8643, 0.5990, 0.3626
Android (android.graphics.Color)	4294724608 (0xFFFC4C00)
YUV	119.9600, -59.1403, 115.7991
Hunter-Lab	50.8570, 60.9735, 32.4053

Details

The XYZ color **42.7293, 25.8643, 2.7402** 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 **33.0939, 38.0750, 97.6996**, and the grayscale version is **17.9957, 18.9329, 20.6179**.

A 20% lighter version of the original color is **50.6905, 38.6804, 9.6449**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **42.7297, 25.8655, 2.7404**, and if you desaturate by 10%, it is **44.2904, 28.7028, 4.1371**.

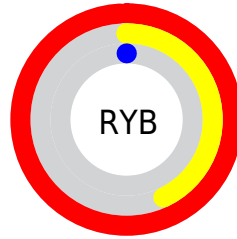
Distribution



Red (99%)

Green (30%)

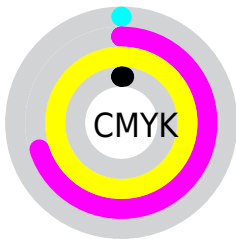
Blue (0%)



Red (99%)

Yellow (43%)

Blue (0%)

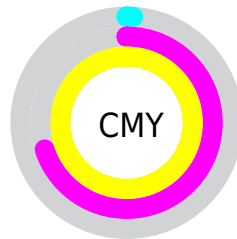


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7293, 25.8643, 2.7402 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 42.7293, 25.8643, 2.7402 by changing the saturation by 10% instead.


 42.7293, 25.8643,
2.7402


 42.7293, 25.8643,
2.7402


348.4377,
282.1153, 132.9797


 29.8664, 16.7221,
0.9636


 78.5605, 53.0559,
10.9803

 19.8848, 10.0366,
0.0000


 102.2594, 71.8742,
18.2809

 12.4191, 5.4232,
0.0000


 130.3011, 94.6867,
28.2599

 7.1040, 2.4977,
0.0000

 163.0508,
121.8777, 41.3358

 3.5741, 0.8755,
0.0000

 200.8740,
153.8317, 57.9272


 1.4641, 0.0000,
0.0000

 244.1360,


 0.3012, 0.0000,


190.9330, 78.4526


0.0000


 293.2021,
233.5661, 103.3306


 0.0000, 0.0000,
0.0000


 42.7293, 25.8643,
2.7402


 42.7293, 25.8643,
2.7402


 42.7297, 25.8655,
2.7404

 44.2904, 28.7028,
4.1371

 46.4364, 32.3438,
6.8589

 49.2604, 36.8618,
11.2840

 52.8257, 42.3147,
17.6447

 57.1873, 48.7550,
26.1361

62.3942, 56.2308,
36.9296

68.4914, 64.7869,
50.1786

75.5204, 74.4652,
66.0235

83.5199, 85.3054,
84.5937

Harmonies

Analogous

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



51.9480, 25.8643, 13.6349



42.7293, 25.8643, 2.7402



29.8818, 25.8643, 0.5602

Triad

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



42.7293, 25.8643, 2.7402



8.8637, 25.8643, 16.2156



31.4788, 25.8643, 140.3500

Complementary

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



42.7293, 25.8643, 2.7402



33.0939, 38.0750, 97.6996

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.



19.9513, 25.8643, 143.4577



42.7293, 25.8643, 2.7402



9.0521, 25.8643, 50.4827

Square

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



42.7293, 25.8643, 2.7402



11.8455, 25.8643, 3.3979



12.4763, 25.8643, 102.8652



44.2041, 25.8643, 96.1646

Rectangle

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



42.7293, 25.8643, 2.7402



22.0626, 25.8643, 0.4353



12.4763, 25.8643, 102.8652



27.2889, 25.8643, 146.9934

Sweetspot

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



42.7298, 25.8659, 2.7406



70.3470, 66.5362, 51.5182



48.0207, 23.8458, 43.3540



14.4673, 13.4184, 9.7306



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.



42.7298, 25.8659, 2.7406



43.8880, 26.5559, 2.8127



61.1713, 62.7488, 8.8877



17.6714, 18.0787, 18.0205



22.3710, 13.6986, 1.4650



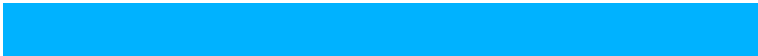
2.1606, 1.4461, 0.1653

Inverse Universe

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



33.0939, 38.0750, 97.6996



33.9873, 39.0945, 100.3624



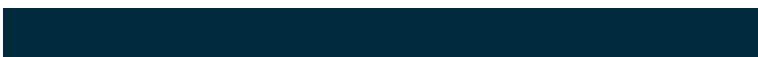
18.7285, 9.3440, 92.9112



17.2980, 18.6729, 22.0778



17.3746, 20.1048, 50.9384



1.7022, 2.0480, 4.7488

Previews

White Background



This preview shows how the XYZ color 42.7293, 25.8643, 2.7402 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 42.7293, 25.8643, 2.7402 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 42.7293, 25.8643, 2.7402

Background



This preview shows how black text looks on a background with the XYZ color 42.7293, 25.8643, 2.7402.



This preview shows how white text looks on a background with the XYZ color 42.7293, 25.8643,

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

42.7293, 25.8643, 2.7402

Protanopia

23.4805, 26.0034, 4.8185

Deuteranopia

26.2920, 26.0052, 3.6338



Tritanopia

43.9973, 25.8835, 9.1557

Trichromacy



Original Color

42.7293, 25.8643, 2.7402

Protanomaly

28.2007, 23.9695, 3.6706

Deuteranomaly

30.6960, 24.4257, 3.0968

Tritanomaly

43.4036, 25.8530, 5.3918

Monochromacy



Original Color

42.7293, 25.8643, 2.7402

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.4033, 18.7473, 9.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7293, 25.8643, 2.7402 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(252, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 76, 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(252, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.7293, 25.8643, 2.7402 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(252, 76, 0) }
```


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

```
.border{ border-color:rgb(252, 76, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 76, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.7293, 25.8643, 2.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 76, 0) }
```

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

```
.background{ background-color: rgb(252, 76,  
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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