

Converting Colors

XYZ(42.4310, 23.6408, 2.3311)

Have a look what the booklet for
XYZ(42.4310, 23.6408, 2.3311)
contains.

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Color

**XYZ(42.4238, 23.6277,
2.3246)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3300
RGB	255, 51, 0
RGB Percent	100%, 20%, 0%
CMY	0.0000, 0.7999, 1.0000
CMYK	0.00, 0.80, 1.00, 0.00
HSL	12°, 100%, 50%
HSV	12°, 100%, 100%
XYZ	42.4238, 23.6277, 2.3246
YIQ	106.1820, 137.9550, 27.3870

Conversions

Conversions Part 2

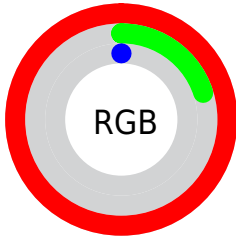
Format	Color
R_{YB}	255, 64, 0
Decimal	16724736
CIE Lab	55.71, 73.01, 68.16
CIE LCh	56, 99.879, 43.034
Yxy	23.6277, 0.6204, 0.3456
Android (android.graphics.Color)	4294914816 (0xFFFF3300)
YUV	106.1820, -52.3477, 130.5134
Hunter-Lab	48.6083, 70.7245, 31.1904

Details

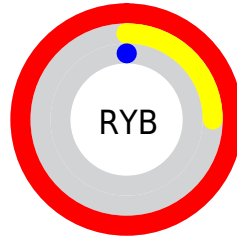
The XYZ color **42.4238, 23.6277, 2.3246** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **39.6382, 50.3967, 102.2452**, and the grayscale version is **13.8648, 14.5868, 15.8850**.

A 20% lighter version of the original color is **48.3549, 34.0986, 8.5905**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.4242, 23.6290, 2.3249**, and if you desaturate by 10%, it is **43.7004, 25.8920, 3.6427**.

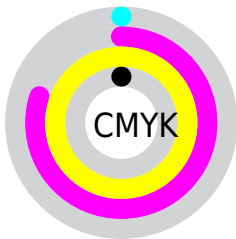
Distribution



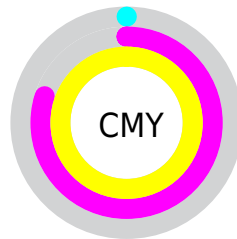
- Red (100%)
- Green (20%)
- Blue (0%)



- Red (100%)
- Yellow (25%)
- Blue (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4238, 23.6277, 2.3246 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 42.4238, 23.6277, 2.3246 by changing the saturation by 10% instead.


 42.4238, 23.6277,
2.3246


 42.4238, 23.6277,
2.3246


347.1986,
270.9328, 127.2294


 29.6258, 15.0577,
0.7450


 78.1018, 49.4220,
9.9106

 19.7014, 8.8599,
0.0000


 101.7125, 67.4150,
16.7703


 12.2852, 4.6499,
0.0000


 129.6582, 89.3179,
26.2324

 7.0118, 2.0433,
0.0000

 162.3042,
115.5149, 38.7156

 3.5159, 0.6325,
0.0000

 200.0159,
146.3905, 54.6384


 1.4321, 0.0000,
0.0000

 243.1586,


 0.2789, 0.0000,


182.3291, 74.4192


0.0000


 292.0977,
223.7151, 98.4767


 0.0000, 0.0000,
0.0000


 42.4238, 23.6277,
2.3246


 42.4238, 23.6277,
2.3246


 42.4242, 23.6290,
2.3249

 43.7004, 25.8920,
3.6427

 45.6484, 29.1213,
6.3472

 48.3794, 33.4242,
10.8309

 51.9724, 38.8881,
17.3377

 56.4960, 45.5910,
26.0727

62.0114, 53.6037,
37.2157

68.5746, 62.9917,
50.9281

76.2371, 73.8161,
67.3572

85.0471, 86.1342,
86.6390

Harmonies

Analogous

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



51.0427, 23.6277, 14.0720



42.4238, 23.6277, 2.3246



29.4276, 23.6277, 0.0367

Triad

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



42.4238, 23.6277, 2.3246



7.4078, 23.6277, 11.4852



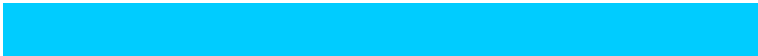
27.7334, 23.6277, 146.8067

Complementary

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



42.4238, 23.6277, 2.3246



39.6382, 50.3967, 102.2452

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.



16.6851, 23.6277, 143.2992



42.4238, 23.6277, 2.3246



7.2247, 23.6277, 42.5043

Square

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



42.4238, 23.6277, 2.3246



10.6365, 23.6277, 1.7671



10.0075, 23.6277, 96.0374



40.8301, 23.6277, 103.5024

Rectangle

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



42.4238, 23.6277, 2.3246



21.3249, 23.6277, 0.0000



10.0075, 23.6277, 96.0374



23.6294, 23.6277, 151.7104

Sweetspot

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



42.4243, 23.6292, 2.3249



68.5747, 62.9915, 50.9275



52.1386, 25.6194, 59.3235



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.



42.4243, 23.6292, 2.3249



42.4246, 23.6293, 2.3249



57.2596, 53.2998, 7.2700



18.3036, 18.5754, 18.7650



22.2504, 12.5120, 1.2423



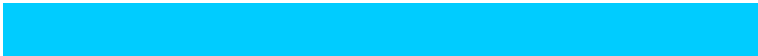
2.2389, 1.3632, 0.1451

Inverse Universe

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



39.6382, 50.3967, 102.2452



39.6385, 50.3970, 102.2462



20.6689, 12.4581, 95.9221



18.2280, 19.8276, 23.1163



20.8205, 26.5505, 53.4620



2.1019, 2.7346, 5.2303

Previews

White Background



This preview shows how the XYZ color 42.4238, 23.6277, 2.3246 looks on a white background.

Color Contrast Check

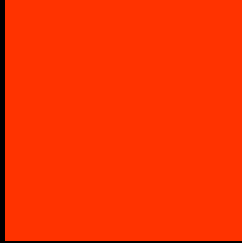
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4238, 23.6277, 2.3246 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 42.4238, 23.6277, 2.3246

Background



This preview shows how black text looks on a background with the XYZ color 42.4238, 23.6277, 2.3246.



This preview shows how white text looks on a background with the XYZ color 42.4238, 23.6277,

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

42.4238, 23.6277, 2.3246

Protanopia

21.5219, 23.7232, 4.6730

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

42.8718, 23.6700, 5.1055

Trichromacy



Original Color

42.4238, 23.6277, 2.3246

Protanomaly

26.0541, 20.7665, 3.2512

Deuteranomaly

28.2813, 21.2030, 2.6020

Tritanomaly

42.6279, 23.6401, 3.6126

Monochromacy



Original Color

42.4238, 23.6277, 2.3246

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.8381, 14.5344, 7.1227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4238, 23.6277, 2.3246 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, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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(255, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.4238, 23.6277, 2.3246 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, 51, 0) }
```


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

```
.border{ border-color:rgb(255, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.4238, 23.6277, 2.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 0) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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