

Converting Colors

XYZ(42.3781, 23.4467, 2.5850)

Have a look what the booklet for
XYZ(42.3781, 23.4467, 2.5850)
contains.

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Color

**XYZ(42.3931, 23.4785,
2.5846)**

Conversions

Conversions Part 1

Format	Color
Hex	FF310A
RGB	255, 49, 10
RGB Percent	100%, 19%, 4%
CMY	0.0000, 0.8078, 0.9608
CMYK	0.00, 0.81, 0.96, 0.00
HSL	10°, 100%, 52%
HSV	10°, 96%, 100%
XYZ	42.3931, 23.4785, 2.5846
YIQ	106.1480, 135.2950, 31.5430

Conversions

Conversions Part 2

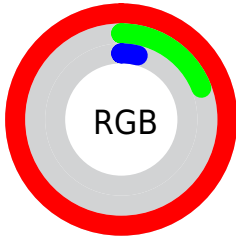
Format	Color
R_{YB}	255, 56, 10
Decimal	16724234
CIE _{Lab}	55.56, 73.57, 65.90
CIE _{LCh}	56, 98.769, 41.855
Yxy	23.4785, 0.6193, 0.3430
Android (android.graphics.Color)	4294914314 (0xFFFF310A)
YUV	106.1480, -47.4010, 130.5432
Hunter-Lab	48.4546, 71.3746, 30.7557

Details

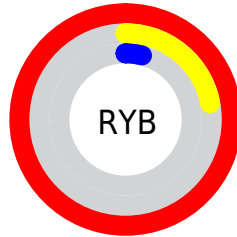
The XYZ color **42.3931, 23.4785, 2.5846** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **42.7265, 56.3874, 103.2390**, and the grayscale version is **13.8426, 14.5635, 15.8597**.

A 20% lighter version of the original color is **48.3541, 33.9148, 9.1519**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.0192, 22.8188, 2.1898**, and if you desaturate by 10%, it is **43.7695, 25.8220, 4.3067**.

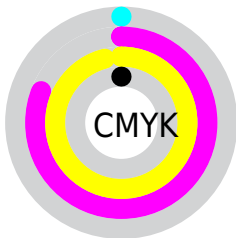
Distribution



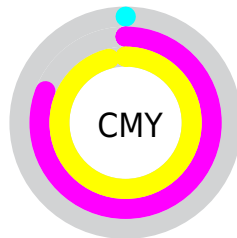
- Red (100%)
- Green (19%)
- Blue (4%)



- Red (100%)
- Yellow (22%)
- Blue (4%)



- Cyan (0%)
- Magenta (81%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3931, 23.4785, 2.5846 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 42.3931, 23.4785, 2.5846 by changing the saturation by 10% instead.


 42.3931, 23.4785,
2.5846


 42.3931, 23.4785,
2.5846


347.0739,
270.1732, 130.8801


 29.6017, 14.9472,
0.8845


 78.0557, 49.1778,
10.5850

 19.6830, 8.7824,
0.0000


 101.6575, 67.1147,
17.7245

 12.2718, 4.5995,
0.0000


 129.5935, 88.9555,
27.5149

 7.0026, 2.0142,
0.0000

 162.2291,
115.0847, 40.3748

 3.5100, 0.6157,
0.0000

 199.9296,
145.8867, 56.7228


 1.4289, 0.0000,
0.0000

 243.0603,


 0.2767, 0.0000,


181.7459, 76.9773


0.0000


 291.9866,
223.0466, 101.5569


 0.0000, 0.0000,
0.0000


 42.3931, 23.4785,
2.5846


 42.3931, 23.4785,
2.5846


 42.0192, 22.8188,
2.1898

 43.7695, 25.8220,
4.3067

 45.9003, 29.2332,
7.6386

 48.8824, 33.8252,
12.8631

 52.7970, 39.6949,
20.2091

 57.7155, 46.9292,
29.8725

■ 63.7021, 55.6071,
42.0271

■ 70.8156, 65.8015,
56.8297

■ 79.1103, 77.5804,
74.4245

■ 88.6371, 91.0078,
94.9451

Harmonies

Analogous

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



50.5561, 23.4785, 14.9120



42.3931, 23.4785, 2.5846



29.6792, 23.4785, 0.1356

Triad

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



42.3931, 23.4785, 2.5846



7.5147, 23.4785, 10.8153



27.0156, 23.4785, 145.0114

Complementary

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



42.3931, 23.4785, 2.5846



42.7265, 56.3874, 103.2390

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.



16.2834, 23.4785, 139.5368



42.3931, 23.4785, 2.5846



7.2239, 23.4785, 40.3646

Square

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



42.3931, 23.4785, 2.5846



10.8504, 23.4785, 1.6826



9.8542, 23.4785, 92.3053



39.8929, 23.4785, 103.9753

Rectangle

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



42.3931, 23.4785, 2.5846



21.6288, 23.4785, 0.0000



9.8542, 23.4785, 92.3053



23.0168, 23.4785, 149.1123

Sweetspot

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



42.3936, 23.4800, 2.5849



68.6173, 62.6616, 52.2213



54.0359, 26.5520, 68.7781



14.0382, 12.4824, 9.8278



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.



42.3936, 23.4800, 2.5849



42.0195, 22.8190, 2.1898



55.5291, 49.7509, 6.9634



18.2429, 18.4541, 18.7448



22.0247, 12.0607, 1.1671



2.2083, 1.3020, 0.1349

Inverse Universe

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



42.7265, 56.3874, 103.2390



42.1955, 55.5111, 103.0985



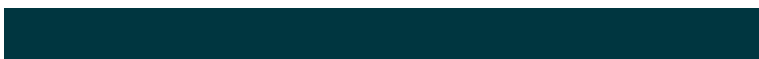
22.3353, 15.6049, 96.4419



18.2940, 19.9597, 23.1384



22.1402, 29.1900, 53.9019



2.2188, 2.9684, 5.2693

Previews

White Background



This preview shows how the XYZ color 42.3931, 23.4785, 2.5846 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 42.3931, 23.4785, 2.5846 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 42.3931, 23.4785, 2.5846

Background



This preview shows how black text looks on a background with the XYZ color 42.3931, 23.4785, 2.5846.



This preview shows how white text looks on a background with the XYZ color 42.3931, 23.4785,

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

42.3931, 23.4785, 2.5846

Protanopia

21.3773, 23.6440, 4.8759

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

42.7497, 23.4903, 4.8657

Trichromacy



Original Color

42.3931, 23.4785, 2.5846

Protanomaly

25.7648, 20.4620, 3.5113

Deuteranomaly

28.3032, 21.2118, 2.7174

Tritanomaly

42.5715, 23.4837, 3.7279

Monochromacy



Original Color

42.3931, 23.4785, 2.5846

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.8830, 14.4255, 7.7504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3931, 23.4785, 2.5846 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, 49, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 10)  
}
```

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, 49, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 10) }
```

Border

The CSS property to change the border of an element to XYZ 42.3931, 23.4785, 2.5846 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, 49, 10) }
```


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

```
.border{ border-color:rgb(255, 49, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 49, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3931, 23.4785, 2.5846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 10) }
```

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

```
.background{ background-color: rgb(255, 49,  
10) }
```

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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