

Converting Colors

XYZ(42.3048, 23.2908, 2.5893)

Have a look what the booklet for
XYZ(42.3048, 23.2908, 2.5893)
contains.

XYZ(42.3169, 23.3172, 2.5869)	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(42.3169, 23.3172,
2.5869)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2F0B
RGB	255, 47, 11
RGB Percent	100%, 18%, 4%
CMY	0.0000, 0.8156, 0.9569
CMYK	0.00, 0.82, 0.96, 0.00
HSL	9°, 100%, 52%
HSV	9°, 96%, 100%
XYZ	42.3169, 23.3172, 2.5869
YIQ	105.0880, 135.5240, 32.9000

Conversions

Conversions Part 2

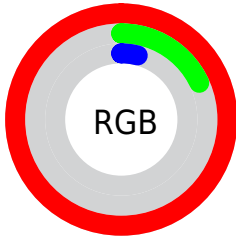
Format	Color
R_{YB}	255, 53, 11
Decimal	16723723
CIE _{Lab}	55.40, 74.05, 65.60
CIE _{LCh}	55, 98.927, 41.541
Yxy	23.3172, 0.6203, 0.3418
Android (android.graphics.Color)	4294913803 (0xFFFF2F0B)
YUV	105.0880, -46.3854, 131.4728
Hunter-Lab	48.2879, 71.9240, 30.6252

Details

The XYZ color **42.3169, 23.3172, 2.5869** 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 **43.5141, 57.9435, 103.4977**, and the grayscale version is **13.5498, 14.2554, 15.5242**.

A 20% lighter version of the original color is **48.2704, 33.6999, 9.2708**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.9214, 22.6233, 2.1572**, and if you desaturate by 10%, it is **43.6789, 25.6166, 4.3518**.

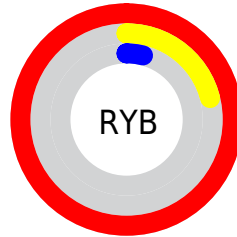
Distribution



Red (100%)

Green (18%)

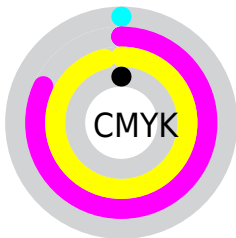
Blue (4%)



Red (100%)

Yellow (21%)

Blue (4%)

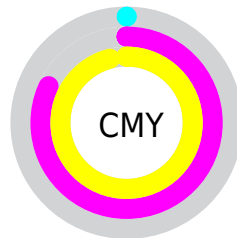


Cyan (0%)

Magenta (82%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3169, 23.3172, 2.5869 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 42.3169, 23.3172, 2.5869 by changing the saturation by 10% instead.


 42.3169, 23.3172,
2.5869


 42.3169, 23.3172,
2.5869


346.7642,
269.3500, 130.9116


 29.5417, 14.8279,
0.8857


 77.9412, 48.9136,
10.5908

 19.6373, 8.6987,
0.0000


 101.5210, 66.7896,
17.7328


 12.2384, 4.5452,
0.0000


 129.4330, 88.5632,
27.5260

 6.9796, 1.9830,
0.0000


 162.0426,
114.6189, 40.3892

 3.4956, 0.5975,
0.0000

 199.7152,
145.3410, 56.7408


 1.4209, 0.0000,
0.0000

 242.8161,


 0.2711, 0.0000,


181.1140, 76.9994


0.0000


 291.7107,
222.3222, 101.5835


 0.0000, 0.0000,
0.0000


 42.3169, 23.3172,
2.5869


 42.3169, 23.3172,
2.5869


 41.9214, 22.6233,
2.1572

 43.6789, 25.6166,
4.3518

 45.8070, 29.0032,
7.7415

 48.7998, 33.5947,
13.0369

 52.7403, 39.4920,
20.4661

 57.7014, 46.7852,
30.2246

63.7486, 55.5562,
42.4858

70.9419, 65.8807,
57.4067

79.3369, 77.8290,
75.1313

88.9855, 91.4672,
95.7933

Harmonies

Analogous

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



50.3904, 23.3172, 15.0061



42.3169, 23.3172, 2.5869



29.6417, 23.3172, 0.1172

Triad

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



42.3169, 23.3172, 2.5869



7.4427, 23.3172, 10.5210



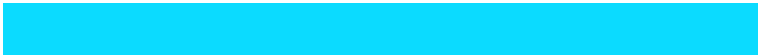
26.7190, 23.3172, 144.9748

Complementary

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



42.3169, 23.3172, 2.5869



43.5141, 57.9435, 103.4977

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.



16.0605, 23.3172, 138.9523



42.3169, 23.3172, 2.5869



7.1248, 23.3172, 39.7085

Square

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



42.3169, 23.3172, 2.5869



10.7958, 23.3172, 1.6065



9.7056, 23.3172, 91.4543



39.5715, 23.3172, 104.2856

Rectangle

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



42.3169, 23.3172, 2.5869



21.5926, 23.3172, 0.0000



9.7056, 23.3172, 91.4543



22.7419, 23.3172, 148.8923

Sweetspot

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



42.3174, 23.3187, 2.5872



68.4279, 62.2829, 52.1582



54.6067, 26.7981, 71.7296



13.9946, 12.3951, 9.8132



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.



42.3174, 23.3187, 2.5872



41.9218, 22.6235, 2.1573



54.8516, 48.3870, 6.7653



18.2257, 18.4196, 18.7391



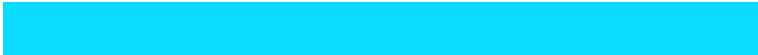
21.9696, 11.9504, 1.1487



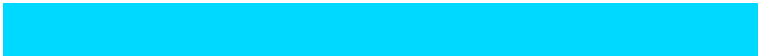
2.2003, 1.2859, 0.1322

Inverse Universe

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



43.5141, 57.9435, 103.4977



42.9548, 57.0297, 103.3516



22.7900, 16.4953, 96.5897



18.3129, 19.9974, 23.1446



22.5318, 29.9732, 54.0324



2.2533, 3.0373, 5.2808

Previews

White Background



This preview shows how the XYZ color 42.3169, 23.3172, 2.5869 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 42.3169, 23.3172, 2.5869 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 42.3169, 23.3172, 2.5869

Background



This preview shows how black text looks on a background with the XYZ color 42.3169, 23.3172, 2.5869.



This preview shows how white text looks on a background with the XYZ color 42.3169, 23.3172,

2.5869.

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

42.3169, 23.3172, 2.5869

Protanopia

21.0707, 23.2801, 4.8963

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

42.6330, 23.3186, 4.6368

Trichromacy



Original Color

42.3169, 23.3172, 2.5869

Protanomaly

25.6769, 20.2687, 3.5362

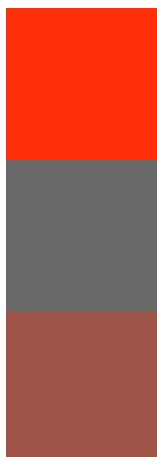
Deuteranomaly

28.1160, 20.8375, 2.6550

Tritanomaly

42.4777, 23.3183, 3.6286

Monochromacy



Original Color

42.3169, 23.3172, 2.5869

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.8049, 14.2692, 7.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3169, 23.3172, 2.5869 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, 47, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 11)  
}
```

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, 47, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 11) }
```

Border

The CSS property to change the border of an element to XYZ 42.3169, 23.3172, 2.5869 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, 47, 11) }
```


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

```
.border{ border-color:rgb(255, 47, 11) }
```

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

Here you see how a box with a 4 pixel rgb(255, 47, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3169, 23.3172, 2.5869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 11) }
```

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

```
.background{ background-color: rgb(255, 47,  
11) }
```

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