

Converting Colors

XYZ(42.2422, 23.0990, 2.7740)

Have a look what the booklet for
XYZ(42.2422, 23.0990, 2.7740)
contains.

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Color

**XYZ(42.2419, 23.1018,
2.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2C11
RGB	255, 44, 17
RGB Percent	100%, 17%, 7%
CMY	0.0000, 0.8274, 0.9333
CMYK	0.00, 0.83, 0.93, 0.00
HSL	7°, 100%, 53%
HSV	7°, 93%, 100%
XYZ	42.2419, 23.1018, 2.7630
YIQ	104.0110, 134.4230, 36.3350

Conversions

Conversions Part 2

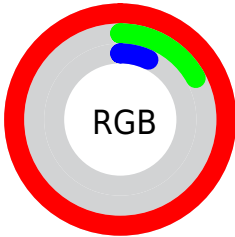
Format	Color
RYB	255, 47, 17
Decimal	16722961
CIELab	55.18, 74.77, 63.95
CIELCh	55, 98.386, 40.539
Yxy	23.1018, 0.6202, 0.3392
Android (android.graphics.Color)	4294913041 (0xFFFF2C11)
YUV	104.0110, -42.8964, 132.4174
Hunter-Lab	48.0643, 72.7642, 30.2367

Details

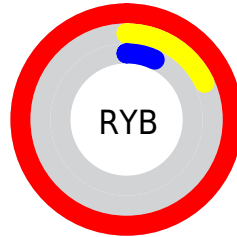
The XYZ color **42.2419, 23.1018, 2.7630** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **46.0190, 62.8149, 104.3062**, and the grayscale version is **13.2497, 13.9397, 15.1803**.

A 20% lighter version of the original color is **48.1397, 33.2905, 9.6828**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.6779, 22.1361, 2.0760**, and if you desaturate by 10%, it is **43.6517, 25.4006, 4.8399**.

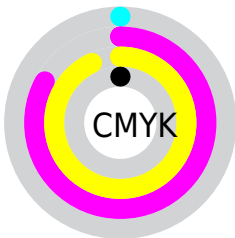
Distribution



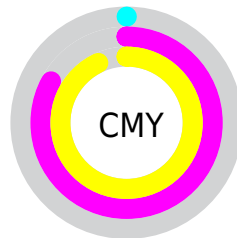
- Red (100%)
- Green (17%)
- Blue (7%)



- Red (100%)
- Yellow (18%)
- Blue (7%)



- Cyan (0%)
- Magenta (83%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (83%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2419, 23.1018, 2.7630 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 42.2419, 23.1018, 2.7630 by changing the saturation by 10% instead.


 42.2419, 23.1018,
2.7630


 42.2419, 23.1018,
2.7630


346.4593,
268.2474, 133.2824


 29.4827, 14.6687,
0.9749


 77.8285, 48.5604,
11.0378


 19.5924, 8.5872,
0.0000


 101.3865, 66.3547,
18.3616

 12.2056, 4.4729,
0.0000


 129.2749, 88.0382,
28.3678

 6.9571, 1.9415,
0.0000

 161.8590,
113.9953, 41.4748

 3.4814, 0.5731,
0.0000

 199.5041,
144.6104, 58.1012


 1.4131, 0.0000,
0.0000

 242.5757,


 0.2656, 0.0000,


180.2678, 78.6656


0.0000


 291.4389,
221.3521, 103.5865


 0.0000, 0.0000,
0.0000


 42.2419, 23.1018,
2.7630


 42.2419, 23.1018,
2.7630


 41.6779, 22.1361,
2.0760

 43.6517, 25.4006,
4.8399

 45.8748, 28.8604,
8.6218

 49.0139, 33.6112,
14.3770

 53.1557, 39.7641,
22.3267

 58.3769, 47.4182,
32.6626

64.7463, 56.6638,
45.5554

72.3274, 67.5838,
61.1601

81.1785, 80.2554,
79.6194

91.3546, 94.7511,
101.0662

Harmonies

Analogous

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



49.9616, 23.1018, 15.6319



42.2419, 23.1018, 2.7630



29.7744, 23.1018, 0.1656

Triad

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



42.2419, 23.1018, 2.7630



7.4554, 23.1018, 9.9020



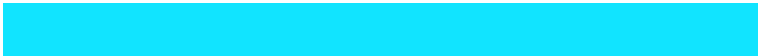
26.0523, 23.1018, 143.8301

Complementary

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



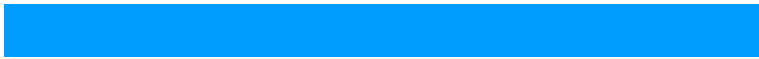
42.2419, 23.1018, 2.7630



46.0190, 62.8149, 104.3062

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.



15.6447, 23.1018, 136.1804



42.2419, 23.1018, 2.7630



7.0490, 23.1018, 37.9210

Square

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



42.2419, 23.1018, 2.7630



10.8904, 23.1018, 1.5004



9.4983, 23.1018, 88.5251



38.7483, 23.1018, 104.8335

Rectangle

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



42.2419, 23.1018, 2.7630



21.7596, 23.1018, 0.0000



9.4983, 23.1018, 88.5251



22.1568, 23.1018, 147.1094

Sweetspot

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



42.2424, 23.1033, 2.7633



68.6350, 62.2742, 53.5305



55.8922, 27.4416, 78.1000



14.0115, 12.3496, 10.0636



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.



42.2424, 23.1033, 2.7633



41.6781, 22.1363, 2.0760



53.8771, 46.3727, 6.6416



18.1754, 18.3189, 18.7223



21.8302, 11.6717, 1.1023



2.1767, 1.2387, 0.1244

Inverse Universe

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



46.0190, 62.8149, 104.3062



45.2601, 61.6401, 104.1200



24.0974, 18.9718, 96.9990



18.3684, 20.1084, 23.1631



23.7197, 32.3491, 54.4284



2.3575, 3.2456, 5.3155

Previews

White Background



This preview shows how the XYZ color 42.2419, 23.1018, 2.7630 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 42.2419, 23.1018, 2.7630 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 42.2419, 23.1018, 2.7630

Background



This preview shows how black text looks on a background with the XYZ color 42.2419, 23.1018, 2.7630.



This preview shows how white text looks on a background with the XYZ color 42.2419, 23.1018,

2.7630.

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

42.2419, 23.1018, 2.7630

Protanopia

21.1318, 23.3046, 5.2182

Deuteranopia

23.3972, 23.1372, 3.2328



Tritanopia

42.4869, 23.1410, 4.2348

Trichromacy



Original Color

42.2419, 23.1018, 2.7630

Protanomaly

25.6271, 20.0925, 3.7558

Deuteranomaly

27.7689, 20.5210, 2.6697

Tritanomaly

42.3646, 23.0920, 3.5908

Monochromacy



Original Color

42.2419, 23.1018, 2.7630

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

18.4851, 13.8734, 7.8345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2419, 23.1018, 2.7630 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, 44, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 17)  
}
```

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, 44, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 17) }
```

Border

The CSS property to change the border of an element to XYZ 42.2419, 23.1018, 2.7630 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, 44, 17) }
```


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

```
.border{ border-color:rgb(255, 44, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2419, 23.1018, 2.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 17) }
```

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

```
.background{ background-color: rgb(255, 44,  
17) }
```

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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