

Converting Colors

XYZ(42.4161, 23.4676, 2.7675)

Have a look what the booklet for
XYZ(42.4161, 23.4676, 2.7675)
contains.

XYZ(42.4318, 23.4940, 2.7886)	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(42.4318, 23.4940,
2.7886)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3110
RGB	255, 49, 16
RGB Percent	100%, 19%, 6%
CMY	0.0000, 0.8078, 0.9372
CMYK	0.00, 0.81, 0.94, 0.00
HSL	8°, 100%, 53%
HSV	8°, 94%, 100%
XYZ	42.4318, 23.4940, 2.7886
YIQ	106.8320, 133.3690, 33.4090

Conversions

Conversions Part 2

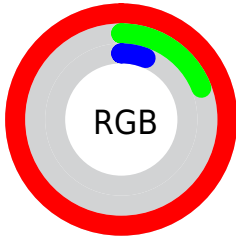
Format	Color
R_{YB}	255, 54, 16
Decimal	16724240
CIE _{Lab}	55.58, 73.61, 64.46
CIE _{LCh}	56, 97.846, 41.205
Yxy	23.4940, 0.6175, 0.3419
Android (android.graphics.Color)	4294914320 (0xFFFF3110)
YUV	106.8320, -44.7802, 129.9433
Hunter-Lab	48.4706, 71.4376, 30.5184

Details

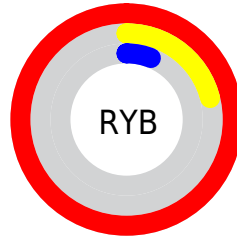
The XYZ color **42.4318, 23.4940, 2.7886** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **44.3799, 59.5628, 103.7646**, and the grayscale version is **14.0252, 14.7556, 16.0689**.

A 20% lighter version of the original color is **48.4762, 33.9637, 9.7950**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.8474, 22.4753, 2.1326**, and if you desaturate by 10%, it is **43.9017, 25.9294, 4.8350**.

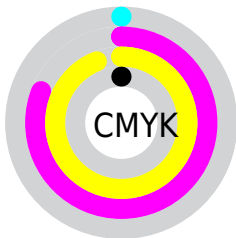
Distribution



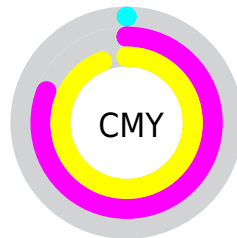
- Red (100%)
- Green (19%)
- Blue (6%)



- Red (100%)
- Yellow (21%)
- Blue (6%)



- Cyan (0%)
- Magenta (81%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4318, 23.4940, 2.7886 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 42.4318, 23.4940, 2.7886 by changing the saturation by 10% instead.


 42.4318, 23.4940,
2.7886


 42.4318, 23.4940,
2.7886


347.2311,
270.2522, 133.6209


 29.6321, 14.9587,
0.9877


 78.1138, 49.2032,
11.1022


 19.7062, 8.7904,
0.0000


 101.7268, 67.1459,
18.4520

 12.2887, 4.6047,
0.0000


 129.6750, 88.9932,
28.4885

 7.0142, 2.0173,
0.0000

 162.3238,
115.1295, 41.6303

 3.5174, 0.6175,
0.0000

 200.0384,
145.9391, 58.2959


 1.4329, 0.0000,
0.0000

 243.1842,


 0.2795, 0.0000,


181.8065, 78.9038


0.0000


 292.1267,
223.1161, 103.8726


 0.0000, 0.0000,
0.0000


 42.4318, 23.4940,
2.7886

 42.4318, 23.4940,
2.7886


 41.8474, 22.4753,
2.1326

 43.9017, 25.9294,
4.8350

 46.1648, 29.4891,
8.5693

 49.3185, 34.2915,
14.2601

 53.4451, 40.4386,
22.1285

 58.6174, 48.0217,
32.3658

■ 64.9010, 57.1241,
45.1421

■ 72.3563, 67.8227,
60.6120

■ 81.0389, 80.1890,
78.9176

■ 91.0013, 94.2903,
100.1912

Harmonies

Analogous

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



50.3267, 23.4940, 15.4853



42.4318, 23.4940, 2.7886



29.8984, 23.4940, 0.2234

Triad

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



42.4318, 23.4940, 2.7886



7.6517, 23.4940, 10.5588



26.7185, 23.4940, 143.7214

Complementary

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



42.4318, 23.4940, 2.7886



44.3799, 59.5628, 103.7646

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.



16.1610, 23.4940, 137.2338



42.4318, 23.4940, 2.7886



7.3008, 23.4940, 39.3201

Square

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



42.4318, 23.4940, 2.7886



11.0550, 23.4940, 1.6805



9.8567, 23.4940, 90.2437



39.4537, 23.4940, 104.0949

Rectangle

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



42.4318, 23.4940, 2.7886



21.8864, 23.4940, 0.0000



9.8567, 23.4940, 90.2437



22.7802, 23.4940, 147.3750

Sweetspot

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



42.4323, 23.4955, 2.7889



69.0225, 63.0493, 53.6597



54.7621, 26.9653, 72.2244



14.1011, 12.5287, 10.0934



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.



42.4323, 23.4955, 2.7889



41.8478, 22.4755, 2.1326



55.2192, 49.0692, 7.0512



18.2117, 18.3916, 18.7344



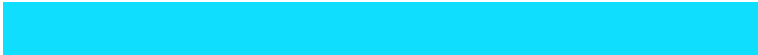
21.9276, 11.8664, 1.1347



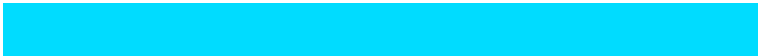
2.1937, 1.2728, 0.1301

Inverse Universe

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



44.3799, 59.5628, 103.7646



43.5833, 58.2866, 103.5611



23.1771, 17.1572, 96.6970



18.3283, 20.0282, 23.1498



22.8558, 30.6211, 54.1404



2.2818, 3.0943, 5.2903

Previews

White Background



This preview shows how the XYZ color 42.4318, 23.4940, 2.7886 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 42.4318, 23.4940, 2.7886 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 42.4318, 23.4940, 2.7886

Background



This preview shows how black text looks on a background with the XYZ color 42.4318, 23.4940, 2.7886.



This preview shows how white text looks on a background with the XYZ color 42.4318, 23.4940,

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

42.4318, 23.4940, 2.7886

Protanopia

21.4367, 23.6678, 5.1888

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

42.7497, 23.4903, 4.8657

Trichromacy



Original Color

42.4318, 23.4940, 2.7886

Protanomaly

25.8111, 20.4806, 3.7552

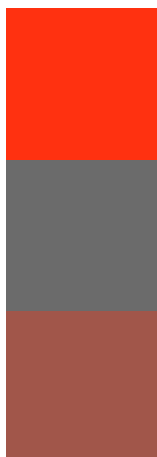
Deuteranomaly

28.3141, 21.2162, 2.7751

Tritanomaly

42.6003, 23.4953, 3.8799

Monochromacy



Original Color

42.4318, 23.4940, 2.7886

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.2618, 14.7271, 8.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4318, 23.4940, 2.7886 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 16) }
```

Border

The CSS property to change the border of an element to XYZ 42.4318, 23.4940, 2.7886 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, 16) }
```


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

```
.border{ border-color:rgb(255, 49, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4318, 23.4940, 2.7886 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, 16) }
```

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

```
.background{ background-color: rgb(255, 49,  
16) }
```

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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