

Converting Colors

XYZ(42.7257, 24.1629, 2.6363)

Have a look what the booklet for
XYZ(42.7257, 24.1629, 2.6363)
contains.

XYZ(42.7470, 24.2038, 2.6485)	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(42.7470, 24.2038,
2.6485)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3908
RGB	255, 57, 8
RGB Percent	100%, 22%, 3%
CMY	0.0000, 0.7764, 0.9686
CMYK	0.00, 0.78, 0.97, 0.00
HSL	12°, 100%, 52%
HSV	12°, 97%, 100%
XYZ	42.7470, 24.2038, 2.6485
YIQ	110.6160, 133.7370, 26.7370

Conversions

Conversions Part 2

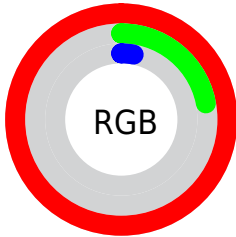
Format	Color
R_{YB}	255, 69, 8
Decimal	16726280
CIE _{Lab}	56.29, 71.48, 66.69
CIE _{LCh}	56, 97.762, 43.014
Yxy	24.2038, 0.6142, 0.3478
Android (android.graphics.Color)	4294916360 (0xFFFF3908)
YUV	110.6160, -50.5897, 126.6248
Hunter-Lab	49.1974, 69.0012, 31.2463

Details

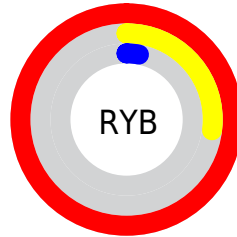
The XYZ color **42.7470, 24.2038, 2.6485** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **40.2177, 51.4070, 102.4099**, and the grayscale version is **15.1150, 15.9022, 17.3175**.

A 20% lighter version of the original color is **48.9398, 35.0863, 9.3472**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.4062, 23.5929, 2.3188**, and if you desaturate by 10%, it is **44.2072, 26.7443, 4.3082**.

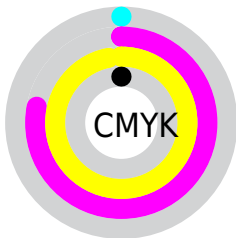
Distribution



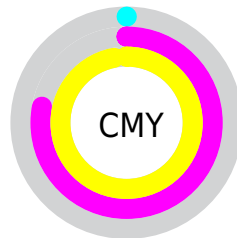
- Red (100%)
- Green (22%)
- Blue (3%)



- Red (100%)
- Yellow (27%)
- Blue (3%)



- Cyan (0%)
- Magenta (78%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7470, 24.2038, 2.6485 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 42.7470, 24.2038, 2.6485 by changing the saturation by 10% instead.

 42.7470, 24.2038,
2.6485


 42.7470, 24.2038,
2.6485


348.5094,
273.8492, 131.7496


 29.8803, 15.4849,
0.9173


 78.5870, 50.3626,
10.7480

 19.8954, 9.1604,
0.0000


 102.2911, 68.5712,
17.9542


 12.4268, 4.8459,
0.0000


 130.3383, 90.7118,
27.8228

 7.1093, 2.1572,
0.0000

 163.0941,
117.1689, 40.7722

 3.5775, 0.6965,
0.0000

 200.9237,
148.3268, 57.2211


 1.4660, 0.0000,
0.0000

 244.1926,


 0.3025, 0.0000,


184.5699, 77.5879


0.0000

 293.2660,
226.2825, 102.2912


 0.0000, 0.0000,
0.0000

 42.7470, 24.2038,
2.6485


 42.7470, 24.2038,
2.6485


 42.4062, 23.5929,
2.3188

 44.2072, 26.7443,
4.3082

 46.3872, 30.2916,
7.5400

 49.3777, 34.9439,
12.6334

 53.2545, 40.7860,
19.8181

 58.0835, 47.8937,
29.2905

63.9246, 56.3365,
41.2240

70.8323, 66.1788,
55.7752

78.8573, 77.4807,
73.0876

88.0468, 90.2989,
93.2945

Harmonies

Analogous

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



51.2078, 24.2038, 14.7105



42.7470, 24.2038, 2.6485



29.9280, 24.2038, 0.2486

Triad

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



42.7470, 24.2038, 2.6485



7.8888, 24.2038, 12.0719



28.2337, 24.2038, 144.7086

Complementary

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



42.7470, 24.2038, 2.6485



40.2177, 51.4070, 102.4099

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.



17.2415, 24.2038, 141.2742



42.7470, 24.2038, 2.6485



7.7000, 24.2038, 42.9304

Square

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



42.7470, 24.2038, 2.6485



11.1697, 24.2038, 2.0444



10.5269, 24.2038, 95.3301



41.1632, 24.2038, 102.6719

Rectangle

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



42.7470, 24.2038, 2.6485



21.8851, 24.2038, 0.0000



10.5269, 24.2038, 95.3301



24.1625, 24.2038, 149.4501

Sweetspot

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



42.7475, 24.2053, 2.6488



69.2635, 63.9540, 52.4367



52.9241, 26.0726, 63.0308



14.1874, 12.7808, 9.8775



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.



42.7475, 24.2053, 2.6488



42.4065, 23.5931, 2.3188



56.9630, 52.6362, 7.3873



18.3012, 18.5705, 18.7642



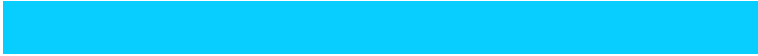
22.2404, 12.4920, 1.2390



2.2376, 1.3606, 0.1447

Inverse Universe

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



40.2177, 51.4070, 102.4099



39.7375, 50.5950, 102.2792



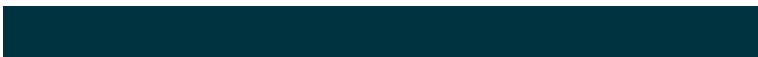
21.4953, 13.9621, 96.1691



18.2306, 19.8329, 23.1172



20.8716, 26.6528, 53.4790



2.1065, 2.7437, 5.2318

Previews

White Background



This preview shows how the XYZ color 42.7470, 24.2038, 2.6485 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 42.7470, 24.2038, 2.6485 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 42.7470, 24.2038, 2.6485

Background



This preview shows how black text looks on a background with the XYZ color 42.7470, 24.2038, 2.6485.



This preview shows how white text looks on a background with the XYZ color 42.7470, 24.2038,

2.6485.

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

42.7470, 24.2038, 2.6485

Protanopia

22.0004, 24.3826, 4.8431

Deuteranopia

24.6448, 24.3584, 3.4027



Tritanopia

43.2958, 24.2682, 6.0167

Trichromacy



Original Color

42.7470, 24.2038, 2.6485

Protanomaly

26.3986, 21.3961, 3.5491

Deuteranomaly

29.2238, 22.2636, 2.8432

Tritanomaly

43.0040, 24.2283, 4.2437

Monochromacy



Original Color

42.7470, 24.2038, 2.6485

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.0814, 15.7631, 8.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7470, 24.2038, 2.6485 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, 57, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 57, 8)  
}
```

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, 57, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 8) }
```

Border

The CSS property to change the border of an element to XYZ 42.7470, 24.2038, 2.6485 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, 57, 8) }
```


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

```
.border{ border-color:rgb(255, 57, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 57, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 57, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.7470, 24.2038, 2.6485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 8) }
```

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

```
.background{ background-color: rgb(255, 57,  
8) }
```

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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