

Converting Colors

XYZ(42.8962, 24.1631, 3.7439)

Have a look what the booklet for
XYZ(42.8962, 24.1631, 3.7439)
contains.

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Color

**XYZ(42.9149, 24.1926,
3.7743)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3820
RGB	255, 56, 32
RGB Percent	100%, 22%, 13%
CMY	0.0000, 0.7803, 0.8745
CMYK	0.00, 0.78, 0.87, 0.00
HSL	6°, 100%, 56%
HSV	6°, 87%, 100%
XYZ	42.9149, 24.1926, 3.7743
YIQ	112.7650, 126.3080, 34.7240

Conversions

Conversions Part 2

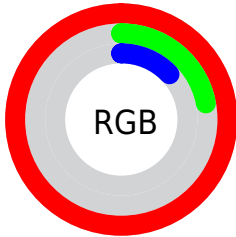
Format	Color
R_{YB}	255, 59, 32
Decimal	16726048
CIE _{Lab}	56.28, 72.03, 59.41
CIE _{LCh}	56, 93.370, 39.515
Yxy	24.1926, 0.6054, 0.3413
Android (android.graphics.Color)	4294916128 (0xFFFF3820)
YUV	112.7650, -39.8171, 124.7401
Hunter-Lab	49.1860, 69.6663, 29.8805

Details

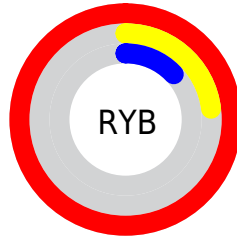
The XYZ color **42.9149, 24.1926, 3.7743** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **47.2171, 64.6701, 104.6010**, and the grayscale version is **15.7165, 16.5350, 18.0066**.

A 20% lighter version of the original color is **49.3598, 35.0628, 12.1489**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.8265, 22.3765, 2.3013**, and if you desaturate by 10%, it is **44.7702, 27.1192, 6.8117**.

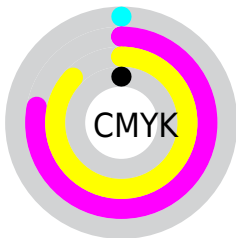
Distribution



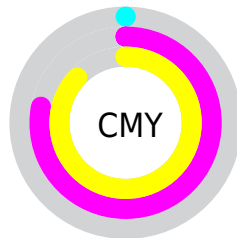
- Red (100%)
- Green (22%)
- Blue (13%)



- Red (100%)
- Yellow (23%)
- Blue (13%)



- Cyan (0%)
- Magenta (78%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9149, 24.1926, 3.7743 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 42.9149, 24.1926, 3.7743 by changing the saturation by 10% instead.


 42.9149, 24.1926,
3.7743


 42.9149, 24.1926,
3.7743

349.1891,
273.7928, 145.6827


 30.0126, 15.4766,
1.5024


 78.8389, 50.3443,
13.4858

 19.9963, 9.1545,
0.2197


 102.5914, 68.5488,
21.7624


 12.5006, 4.8421,
0.0000


 130.6912, 90.6848,
32.8777

 7.1602, 2.1549,
0.0000

 163.5038,
117.1369, 47.2502

 3.6097, 0.6952,
0.0000

 201.3946,
148.2893, 65.2984


 1.4838, 0.0000,
0.0000

 244.7288,


 0.3148, 0.0000,


184.5265, 87.4408


0.0000


 293.8719,
226.2328, 114.0961


 0.0000, 0.0000,
0.0000


 42.9149, 24.1926,
3.7743


 42.9149, 24.1926,
3.7743


 41.8265, 22.3765,
2.3013


 44.7702, 27.1192,
6.8117

 41.6423, 22.0650,
2.0642

 47.5058, 31.2939,
11.7204

 51.2158, 36.8383,
18.7388

 55.9815, 43.8584,
28.0697

 61.8759, 52.4496,
39.8920

68.9651, 62.6992,
54.3669

77.3103, 74.6883,
71.6422

86.9684, 88.4924,
91.8546

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



50.0040, 24.1926, 17.7163



42.9149, 24.1926, 3.7743



31.0147, 24.1926, 0.6690

Triad

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



42.9149, 24.1926, 3.7743



8.5561, 24.1926, 10.5792



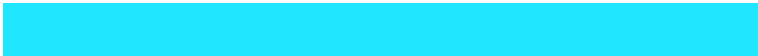
26.5839, 24.1926, 138.5118

Complementary

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



42.9149, 24.1926, 3.7743



47.2171, 64.6701, 104.6010

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.



16.4916, 24.1926, 129.8408



42.9149, 24.1926, 3.7743



8.0377, 24.1926, 37.3914

Square

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



42.9149, 24.1926, 3.7743



12.1890, 24.1926, 1.9796



10.4486, 24.1926, 84.8282



38.8165, 24.1926, 103.5062

Rectangle

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



42.9149, 24.1926, 3.7743



23.1698, 24.1926, 0.2564



10.4486, 24.1926, 84.8282



22.8198, 24.1926, 140.9831

Sweetspot

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



42.9154, 24.1941, 3.7746



70.0966, 64.3288, 56.6958



56.4213, 28.1590, 79.3274



14.4347, 12.9491, 10.9657



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.



42.9154, 24.1941, 3.7746



41.6426, 22.0652, 2.0642



55.1004, 48.5640, 7.8363



18.1668, 18.3017, 18.7194



21.8096, 11.6304, 1.0954



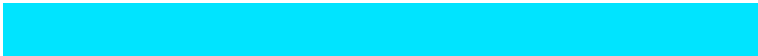
2.1726, 1.2307, 0.1230

Inverse Universe

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



47.2171, 64.6701, 104.6010



45.6667, 62.4533, 104.2556



25.5074, 21.2506, 97.3645



18.3779, 20.1275, 23.1663



23.9292, 32.7679, 54.4982



2.3757, 3.2822, 5.3216

Previews

White Background



This preview shows how the XYZ color 42.9149, 24.1926, 3.7743 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 42.9149, 24.1926, 3.7743 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 42.9149, 24.1926, 3.7743

Background



This preview shows how black text looks on a background with the XYZ color 42.9149, 24.1926, 3.7743.



This preview shows how white text looks on a background with the XYZ color 42.9149, 24.1926,

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

42.9149, 24.1926, 3.7743

Protanopia

22.0240, 24.1463, 6.6319

Deuteranopia

24.5138, 24.0963, 3.3590



Tritanopia

43.2488, 24.1742, 6.0010

Trichromacy



Original Color

42.9149, 24.1926, 3.7743

Protanomaly

26.5949, 21.3087, 5.0942

Deuteranomaly

29.1749, 22.0858, 3.0731

Tritanomaly

43.1193, 24.1976, 5.0873

Monochromacy



Original Color

42.9149, 24.1926, 3.7743

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

20.9444, 16.2937, 10.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9149, 24.1926, 3.7743 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, 56, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 32)  
}
```

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, 56, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 32) }
```

Border

The CSS property to change the border of an element to XYZ 42.9149, 24.1926, 3.7743 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, 56, 32) }
```


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

```
.border{ border-color:rgb(255, 56, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9149, 24.1926, 3.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 32) }
```

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

```
.background{ background-color: rgb(255, 56,  
32) }
```

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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