

Converting Colors

XYZ(42.8175, 24.0020, 3.7289)

Have a look what the booklet for
XYZ(42.8175, 24.0020, 3.7289)
contains.

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Color

**XYZ(42.8199, 24.0026,
3.7426)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3620
RGB	255, 54, 32
RGB Percent	100%, 21%, 13%
CMY	0.0000, 0.7882, 0.8745
CMYK	0.00, 0.79, 0.87, 0.00
HSL	6°, 100%, 56%
HSV	6°, 87%, 100%
XYZ	42.8199, 24.0026, 3.7426
YIQ	111.5910, 126.8580, 35.7700

Conversions

Conversions Part 2

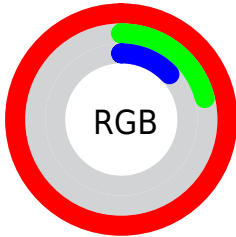
Format	Color
R _Y B	255, 56, 32
Decimal	16725536
CIE Lab	56.09, 72.57, 59.27
CIE LCh	56, 93.692, 39.239
Yxy	24.0026, 0.6068, 0.3401
Android (android.graphics.Color)	4294915616 (0xFFFF3620)
YUV	111.5910, -39.2384, 125.7697
Hunter-Lab	48.9924, 70.2740, 29.7655

Details

The XYZ color **42.8199, 24.0026, 3.7426** 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 **47.7797, 65.7953, 104.7886**, and the grayscale version is **15.3687, 16.1690, 17.6081**.

A 20% lighter version of the original color is **49.2414, 34.8261, 12.1094**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.7662, 22.2559, 2.2812**, and if you desaturate by 10%, it is **44.6447, 26.8680, 6.7698**.

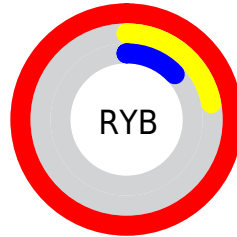
Distribution



Red (100%)

Green (21%)

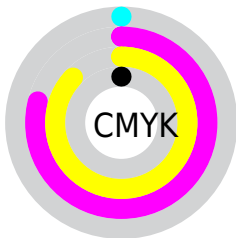
Blue (13%)



Red (100%)

Yellow (22%)

Blue (13%)

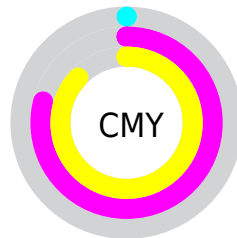


Cyan (0%)

Magenta (79%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8199, 24.0026, 3.7426 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 42.8199, 24.0026, 3.7426 by changing the saturation by 10% instead.


 42.8199, 24.0026,
3.7426


 42.8199, 24.0026,
3.7426


348.8047,
272.8336, 145.3199


 29.9377, 15.3355,
1.4852


 78.6964, 50.0344,
13.4116


 19.9392, 9.0552,
0.2069


 102.4215, 68.1680,
21.6604


 12.4588, 4.7772,
0.0000


 130.4916, 90.2259,
32.7433

 7.1314, 2.1171,
0.0000

 163.2720,
116.5925, 47.0790

 3.5915, 0.6742,
0.0000

 201.1282,
147.6521, 65.0859


 1.4737, 0.0000,
0.0000

 244.4255,


 0.3078, 0.0000,


183.7893, 87.1827


0.0000

 293.5292,
225.3883, 113.7879


 0.0000, 0.0000,
0.0000


 42.8199, 24.0026,
3.7426


 42.8199, 24.0026,
3.7426


 41.7662, 22.2559,
2.2812


 44.6447, 26.8680,
6.7698

 41.5911, 21.9626,
2.0471

 47.3565, 30.9953,
11.6705

 51.0518, 36.5103,
18.6840

 55.8135, 43.5225,
28.0135

 61.7161, 52.1300,
39.8385

68.8269, 62.4231,
54.3206

77.2085, 74.4848,
71.6079

86.9186, 88.3930,
91.8377

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



49.8455, 24.0026, 17.7479



42.8199, 24.0026, 3.7426



30.9383, 24.0026, 0.6361

Triad

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



42.8199, 24.0026, 3.7426



8.4465, 24.0026, 10.2844



26.2900, 24.0026, 138.6341

Complementary

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



42.8199, 24.0026, 3.7426



47.7797, 65.7953, 104.7886

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.



16.2528, 24.0026, 129.5021



42.8199, 24.0026, 3.7426



7.9057, 24.0026, 36.8184

Square

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



42.8199, 24.0026, 3.7426



12.0915, 24.0026, 1.8839



10.2727, 24.0026, 84.1784



38.5154, 24.0026, 103.8340

Rectangle

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



42.8199, 24.0026, 3.7426



23.0889, 24.0026, 0.2114



10.2727, 24.0026, 84.1784



22.5408, 24.0026, 140.9632

Sweetspot

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



42.8204, 24.0041, 3.7429



69.9630, 64.0615, 56.6512



56.9571, 28.3733, 82.1488



14.4040, 12.8877, 10.9555



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.



42.8204, 24.0041, 3.7429



41.5914, 21.9628, 2.0471



54.4355, 47.2342, 7.6146



18.1536, 18.2754, 18.7150



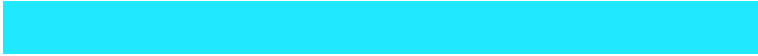
21.7797, 11.5706, 1.0854



2.1664, 1.2183, 0.1210

Inverse Universe

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



47.7797, 65.7953, 104.7886



46.2979, 63.7159, 104.4660



25.9687, 22.1733, 97.5183



18.3926, 20.1568, 23.1712



24.2542, 33.4180, 54.6066



2.4041, 3.3389, 5.3310

Previews

White Background



This preview shows how the XYZ color 42.8199, 24.0026, 3.7426 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



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 42.8199, 24.0026, 3.7426

Background



This preview shows how black text looks on a background with the XYZ color 42.8199, 24.0026, 3.7426.



This preview shows how white text looks on a background with the XYZ color 42.8199, 24.0026,

3.7426.

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

42.8199, 24.0026, 3.7426

Protanopia

21.8392, 24.0510, 6.6232

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

43.0878, 23.9639, 5.6033

Trichromacy



Original Color

42.8199, 24.0026, 3.7426

Protanomaly

26.3477, 21.1813, 5.0826

Deuteranomaly

28.8074, 21.7514, 3.0280

Tritanomaly

42.9868, 23.9957, 4.8486

Monochromacy



Original Color

42.8199, 24.0026, 3.7426

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

20.6123, 15.9992, 10.1854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8199, 24.0026, 3.7426 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, 54, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 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, 54, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 32) }
```

Border

The CSS property to change the border of an element to XYZ 42.8199, 24.0026, 3.7426 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, 54, 32) }
```


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

```
.border{ border-color:rgb(255, 54, 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, 54, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8199, 24.0026, 3.7426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 32) }
```

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

```
.background{ background-color: rgb(255, 54,  
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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