

Converting Colors

XYZ(42.8379, 23.7976, 4.4920)

Have a look what the booklet for
XYZ(42.8379, 23.7976, 4.4920)
contains.

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Color

**XYZ(42.8417, 23.7948,
4.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	FF332A
RGB	255, 51, 42
RGB Percent	100%, 20%, 16%
CMY	0.0000, 0.7999, 0.8353
CMYK	0.00, 0.80, 0.84, 0.00
HSL	3°, 100%, 58%
HSV	3°, 84%, 100%
XYZ	42.8417, 23.7948, 4.5253
YIQ	110.9700, 124.4730, 40.4490

Conversions

Conversions Part 2

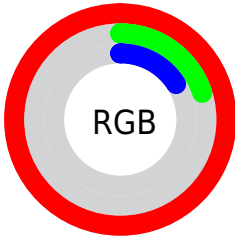
Format	Color
R_{YB}	255, 51, 42
Decimal	16724778
CIE _{Lab}	55.88, 73.53, 54.66
CIE _{LCh}	56, 91.619, 36.624
Yxy	23.7948, 0.6020, 0.3344
Android (android.graphics.Color)	4294914858 (0xFFFF332A)
YUV	110.9700, -34.0022, 126.3143
Hunter-Lab	48.7799, 71.4055, 28.6456

Details

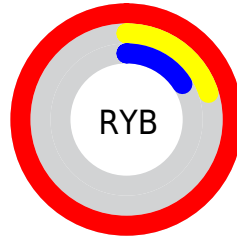
The XYZ color **42.8417, 23.7948, 4.5253** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **51.9546, 73.6121, 106.0772**, and the grayscale version is **15.1733, 15.9635, 17.3843**.

A 20% lighter version of the original color is **49.3309, 34.4890, 13.7299**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.7197, 22.0643, 2.5700**, and if you desaturate by 10%, it is **44.8138, 26.7630, 8.1931**.

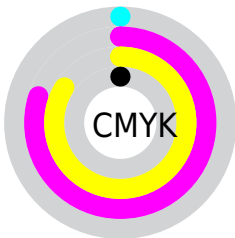
Distribution



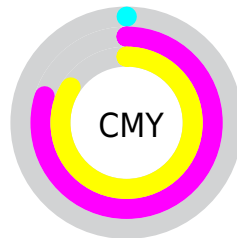
- Red (100%)
- Green (20%)
- Blue (16%)



- Red (100%)
- Yellow (20%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8417, 23.7948, 4.5253 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 42.8417, 23.7948, 4.5253 by changing the saturation by 10% instead.


 42.8417, 23.7948,
4.5253


 42.8417, 23.7948,
4.5253


348.8929,
271.7814, 153.8965


 29.9549, 15.1815,
1.9177


 78.7291, 49.6951,
15.2042


 19.9523, 8.9468,
0.5040


 102.4605, 67.7509,
24.1126


 12.4684, 4.7065,
0.0000


 130.5374, 89.7230,
35.9584

 7.1380, 2.0761,
0.0000

 163.3252,
115.9958, 51.1600

 3.5956, 0.6511,
0.0000

 201.1894,
146.9536, 70.1361

 1.4760, 0.0000,
0.0000

 244.4951,

 0.3094, 0.0000,

182.9809, 93.3052

0.0000

293.6078,
224.4620, 121.0858

■ 0.0000, 0.0000,
0.0000

■ 42.8417, 23.7948,
4.5253

■ 42.8417, 23.7948,
4.5253

■ 41.7197, 22.0643,
2.5700

■ 44.8138, 26.7630,
8.1931

■ 41.3570, 21.4945,
1.9691

■ 47.7591, 31.1375,
13.8489

■ 51.7822, 37.0652,
21.7209

■ 56.9737, 44.6734,
32.0056

■ 63.4147, 54.0764,
44.8782

71.1791, 65.3782,
60.4974

80.3350, 78.6752,
79.0095

90.9458, 94.0570,
100.5500

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



48.9722, 23.7948, 19.8294



42.8417, 23.7948, 4.5253



31.5469, 23.7948, 0.8564

Triad

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



42.8417, 23.7948, 4.5253



8.7464, 23.7948, 9.1440



25.0105, 23.7948, 135.1542

Complementary

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



42.8417, 23.7948, 4.5253



51.9546, 73.6121, 106.0772

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.



15.5534, 23.7948, 122.5370



42.8417, 23.7948, 4.5253



7.9678, 23.7948, 33.1181

Square

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



42.8417, 23.7948, 4.5253



12.6346, 23.7948, 1.7429



10.0334, 23.7948, 77.5257



36.8206, 23.7948, 104.7937

Rectangle

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



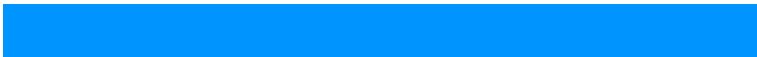
42.8417, 23.7948, 4.5253



23.8183, 23.7948, 0.3417



10.0334, 23.7948, 77.5257



21.4553, 23.7948, 136.0099

Sweetspot

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



42.8422, 23.7963, 4.5256



69.9520, 63.5935, 58.0225



58.9952, 29.6868, 91.3456



14.3707, 12.7359, 11.2072



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.



42.8422, 23.7963, 4.5256



41.3574, 21.4947, 1.9691



53.4790, 45.0698, 8.0712



18.0710, 18.1102, 18.6875



21.6367, 11.2846, 1.0378



2.1274, 1.1402, 0.1080

Inverse Universe

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



51.9546, 73.6121, 106.0772



50.4619, 72.0439, 105.8540



28.5886, 26.8801, 98.2885



18.4851, 20.3417, 23.2020



26.3965, 37.7026, 55.3207



2.5898, 3.7102, 5.3929

Previews

White Background



This preview shows how the XYZ color 42.8417, 23.7948, 4.5253 looks on a white background.

Color Contrast Check

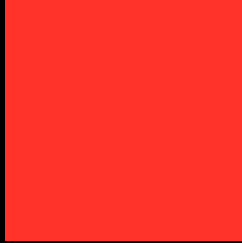
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8417, 23.7948, 4.5253 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 42.8417, 23.7948, 4.5253

Background



This preview shows how black text looks on a background with the XYZ color 42.8417, 23.7948, 4.5253.



This preview shows how white text looks on a background with the XYZ color 42.8417, 23.7948,

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

42.8417, 23.7948, 4.5253

Protanopia

21.8167, 23.7986, 8.1464

Deuteranopia

24.2605, 23.7622, 3.7981



Tritanopia

42.9563, 23.7715, 5.3419

Trichromacy



Original Color

42.8417, 23.7948, 4.5253

Protanomaly

26.3789, 20.8678, 6.2520

Deuteranomaly

28.7247, 21.4114, 3.5386

Tritanomaly

42.8937, 23.7464, 5.0121

Monochromacy



Original Color

42.8417, 23.7948, 4.5253

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.3563, 15.6032, 10.7429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8417, 23.7948, 4.5253 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, 51, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 42)  
}
```

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, 51, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 42) }
```

Border

The CSS property to change the border of an element to XYZ 42.8417, 23.7948, 4.5253 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, 51, 42) }
```


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

```
.border{ border-color:rgb(255, 51, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8417, 23.7948, 4.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 42) }
```

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

```
.background{ background-color: rgb(255, 51,  
42) }
```

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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