

Converting Colors

XYZ(42.1375, 23.4559, 4.4774)

Have a look what the booklet for
XYZ(42.1375, 23.4559, 4.4774)
contains.

XYZ(42.1098, 23.4175, 4.4911)	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(42.1098, 23.4175,
4.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	FD332A
RGB	253, 51, 42
RGB Percent	99%, 20%, 16%
CMY	0.0078, 0.7999, 0.8353
CMYK	0.00, 0.80, 0.83, 0.01
HSL	3°, 98%, 58%
HSV	3°, 83%, 99%
XYZ	42.1098, 23.4175, 4.4911
YIQ	110.3720, 123.2810, 40.0250

Conversions

Conversions Part 2

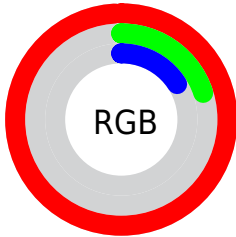
Format	Color
R _Y B	253, 51, 42
Decimal	16593706
CIE Lab	55.50, 72.98, 54.17
CIE LCh	55, 90.890, 36.586
Yxy	23.4175, 0.6014, 0.3344
Android (android.graphics.Color)	4294783786 (0xFFFD332A)
YUV	110.3720, -33.7074, 125.0848
Hunter-Lab	48.3916, 70.6431, 28.3716

Details

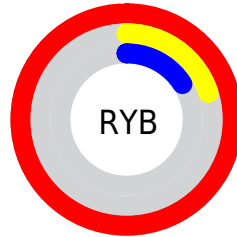
The XYZ color **42.1098, 23.4175, 4.4911** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **51.0296, 72.2744, 104.1887**, and the grayscale version is **14.9995, 15.7806, 17.1851**.

A 20% lighter version of the original color is **49.3309, 34.4890, 13.7299**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **40.9939, 21.6968, 2.5454**, and if you desaturate by 10%, it is **44.0621, 26.3558, 8.1225**.

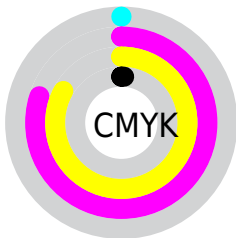
Distribution



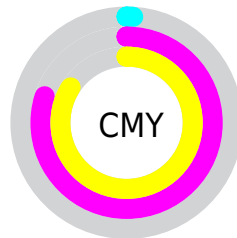
- Red (99%)
- Green (20%)
- Blue (16%)



- Red (99%)
- Yellow (20%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (83%)
- Black (1%)





- Cyan (1%)
- Magenta (80%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1098, 23.4175, 4.4911 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 42.1098, 23.4175, 4.4911 by changing the saturation by 10% instead.


 42.1098, 23.4175,
4.4911

 42.1098, 23.4175,
4.4911


345.9218,
269.8622, 153.5368

 29.3788, 14.9021,
1.8984


 77.6299, 49.0780,
15.1274


 19.5133, 8.7507,
0.4917


 101.1497, 66.9918,
24.0082


 12.1479, 4.5789,
0.0000


 128.9964, 88.8072,
35.8220

 6.9174, 2.0024,
0.0000

 161.5354,
114.9087, 50.9875

 3.4564, 0.6089,
0.0000

 199.1321,
145.6805, 69.9232

 1.3994, 0.0000,
0.0000

 242.1519,

 0.2558, 0.0000,

181.5071, 93.0476

0.0000

290.9600,
222.7728, 120.7793

■ 0.0000, 0.0000,
0.0000

■ 42.1098, 23.4175,
4.4911

■ 42.1098, 23.4175,
4.4911

■ 40.9939, 21.6968,
2.5454

■ 44.0621, 26.3558,
8.1225


■ 40.6253, 21.1176,
1.9349


■ 46.9710, 30.6761,
13.7089


■ 50.9388, 36.5220,
21.4733

■ 56.0540, 44.0181,
31.6084

■ 62.3962, 53.2760,
44.2855

 70.0375, 64.3977,
59.6602

 79.0447, 77.4775,
77.8758

 89.4800, 92.6030,
99.0651

94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



48.1109, 23.4175, 19.5607



42.1098, 23.4175, 4.4911



31.0356, 23.4175, 0.8588

Triad

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



42.1098, 23.4175, 4.4911



8.6362, 23.4175, 9.0116



24.5935, 23.4175, 132.5750

Complementary

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



42.1098, 23.4175, 4.4911



51.0296, 72.2744, 104.1887

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.



15.3137, 23.4175, 120.1634



42.1098, 23.4175, 4.4911



7.8667, 23.4175, 32.5287

Square

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



42.1098, 23.4175, 4.4911



12.4627, 23.4175, 1.7316



9.8943, 23.4175, 76.0478



36.1789, 23.4175, 102.8824

Rectangle

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



42.1098, 23.4175, 4.4911



23.4510, 23.4175, 0.3468



9.8943, 23.4175, 76.0478



21.1055, 23.4175, 133.3934

Sweetspot

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



42.1103, 23.4189, 4.4914



69.9576, 63.6048, 58.0244



57.9651, 29.1902, 89.7406



14.3720, 12.7385, 11.2076



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.



42.1103, 23.4189, 4.4914



41.3585, 21.4970, 1.9695



52.5695, 44.3374, 7.9778



18.0716, 18.1114, 18.6877



21.6375, 11.2862, 1.0380



2.1277, 1.1408, 0.1080

Inverse Universe

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



51.0296, 72.2744, 104.1887



50.4314, 71.9828, 105.8438



28.1308, 26.4770, 96.5558



18.4844, 20.3404, 23.2018



26.3808, 37.6711, 55.3154



2.5884, 3.7075, 5.3925

Previews

White Background



This preview shows how the XYZ color 42.1098, 23.4175, 4.4911 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 42.1098, 23.4175, 4.4911 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 42.1098, 23.4175, 4.4911

Background



This preview shows how black text looks on a background with the XYZ color 42.1098, 23.4175, 4.4911.



This preview shows how white text looks on a background with the XYZ color 42.1098, 23.4175,

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

42.1098, 23.4175, 4.4911

Protanopia

21.4975, 23.4298, 8.0920

Deuteranopia

23.7105, 23.2870, 3.7755



Tritanopia

42.2243, 23.3941, 5.3077

Trichromacy



Original Color

42.1098, 23.4175, 4.4911

Protanomaly

25.7895, 20.4154, 6.1957

Deuteranomaly

28.2015, 21.1404, 3.5714

Tritanomaly

42.1617, 23.3691, 4.9778

Monochromacy



Original Color

42.1098, 23.4175, 4.4911

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

20.1124, 15.4820, 10.5226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1098, 23.4175, 4.4911 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(253, 51, 42)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 51, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 51, 42) }
```

Border

The CSS property to change the border of an element to XYZ 42.1098, 23.4175, 4.4911 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(253, 51, 42) }
```


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

```
.border{ border-color:rgb(253, 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(253, 51, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 51, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 51, 42);  
box-shadow:4px 4px 4px 4px rgb(253, 51,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1098, 23.4175, 4.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 51, 42) }
```

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

```
.background{ background-color: rgb(253, 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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