

Converting Colors

XYZ(42.5623, 23.2608, 4.3574)

Have a look what the booklet for
XYZ(42.5623, 23.2608, 4.3574)
contains.

XYZ(42.5786, 23.2969, 4.3504)	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(42.5786, 23.2969,
4.3504)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2D29
RGB	255, 45, 41
RGB Percent	100%, 18%, 16%
CMY	0.0000, 0.8234, 0.8392
CMYK	0.00, 0.82, 0.84, 0.00
HSL	1°, 100%, 58%
HSV	1°, 84%, 100%
XYZ	42.5786, 23.2969, 4.3504
YIQ	107.3340, 126.4440, 43.2760

Conversions

Conversions Part 2

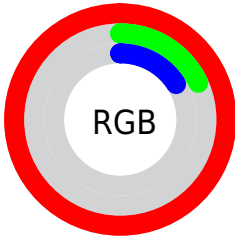
Format	Color
R _Y B	255, 45, 41
Decimal	16723241
CIE Lab	55.38, 74.92, 54.69
CIE LCh	55, 92.758, 36.129
Yxy	23.2969, 0.6063, 0.3317
Android (android.graphics.Color)	4294913321 (0xFFFF2D29)
YUV	107.3340, -32.7027, 129.5031
Hunter-Lab	48.2669, 72.9967, 28.4429

Details

The XYZ color **42.5786, 23.2969, 4.3504** 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 **53.4545, 76.6717, 106.5887**, and the grayscale version is **14.1342, 14.8703, 16.1937**.

A 20% lighter version of the original color is **48.9483, 33.7915, 13.3937**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5796, 21.7961, 2.4864**, and if you desaturate by 10%, it is **44.4306, 26.0447, 7.9173**.

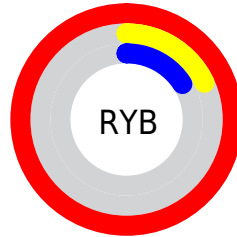
Distribution



Red (100%)

Green (18%)

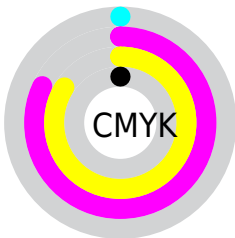
Blue (16%)



Red (100%)

Yellow (18%)

Blue (16%)

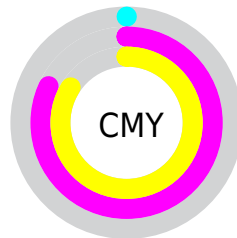


Cyan (0%)

Magenta (82%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5786, 23.2969, 4.3504 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 42.5786, 23.2969, 4.3504 by changing the saturation by 10% instead.


 42.5786, 23.2969,
4.3504


 42.5786, 23.2969,
4.3504


347.8268,
269.2463, 152.0439


 29.7477, 14.8129,
1.8195


 78.3342, 48.8804,
14.8101

 19.7943, 8.6882,
0.4408


 101.9897, 66.7486,
23.5760

 12.3530, 4.5384,
0.0000


 129.9841, 88.5138,
35.2574

 7.0585, 1.9790,
0.0000

 162.6827,
114.5602, 50.2726

 3.5453, 0.5953,
0.0000

 200.4509,
145.2722, 69.0403

 1.4483, 0.0000,
0.0000

 243.6541,

 0.2902, 0.0000,

181.0343, 91.9791

0.0000

292.6576,
222.2309, 119.5074

■ 0.0000, 0.0000,
0.0000

■ 42.5786, 23.2969,
4.3504

■ 42.5786, 23.2969,
4.3504

■ 41.5796, 21.7961,
2.4864

■ 44.4306, 26.0447,
7.9173

■ 41.2916, 21.3638,
1.9473

■ 47.2693, 30.2284,
13.4686

■ 51.2066, 36.0091,
21.2358

■ 56.3390, 43.5258,
31.4186

■ 62.7525, 52.9021,
44.1942

70.5251, 64.2506,
59.7234

79.7287, 77.6747,
78.1539

90.4302, 93.2707,
99.6228

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.



48.6227, 23.2969, 19.7221



42.5786, 23.2969, 4.3504



31.2771, 23.2969, 0.7449

Triad

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



42.5786, 23.2969, 4.3504



8.4136, 23.2969, 8.5146



24.3508, 23.2969, 135.8156

Complementary

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



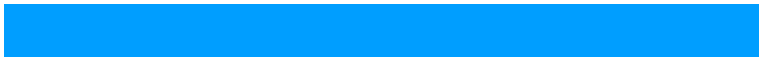
42.5786, 23.2969, 4.3504



53.4545, 76.6717, 106.5887

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.



14.9867, 23.2969, 122.2785



42.5786, 23.2969, 4.3504



7.6024, 23.2969, 31.9962

Square

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



42.5786, 23.2969, 4.3504



12.3092, 23.2969, 1.5187



9.5859, 23.2969, 76.4411



36.1751, 23.2969, 105.6228

Rectangle

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



42.5786, 23.2969, 4.3504



23.5229, 23.2969, 0.2049



9.5859, 23.2969, 76.4411



20.8182, 23.2969, 136.4193

Sweetspot

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



42.5791, 23.2984, 4.3507



69.6197, 62.9289, 57.9117



59.5134, 29.8381, 94.2471



14.2943, 12.5831, 11.1817



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.



42.5791, 23.2984, 4.3507



41.2920, 21.3640, 1.9473



52.7979, 43.7359, 7.7570



18.0367, 18.0417, 18.6761



21.5878, 11.1868, 1.0215



2.1111, 1.1076, 0.1025

Inverse Universe

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



53.4545, 76.6717, 106.5887



52.3003, 75.7206, 106.4668



29.0033, 27.7693, 98.4383



18.5239, 20.4194, 23.2150



27.3413, 39.5923, 55.6356



2.6711, 3.8729, 5.4200

Previews

White Background



This preview shows how the XYZ color 42.5786, 23.2969, 4.3504 looks on a white background.

Color Contrast Check

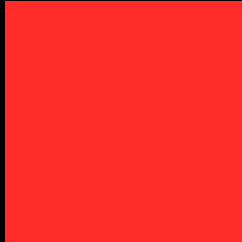
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5786, 23.2969, 4.3504 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 42.5786, 23.2969, 4.3504

Background



This preview shows how black text looks on a background with the XYZ color 42.5786, 23.2969, 4.3504.



This preview shows how white text looks on a background with the XYZ color 42.5786, 23.2969,

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

42.5786, 23.2969, 4.3504

Protanopia

21.3174, 23.3370, 8.0836

Deuteranopia

23.6697, 23.2707, 3.5608



Tritanopia

42.6144, 23.3112, 4.5390

Trichromacy



Original Color

42.5786, 23.2969, 4.3504

Protanomaly

25.5930, 20.0223, 6.1302

Deuteranomaly

28.2389, 20.8867, 3.3022

Tritanomaly

42.5963, 23.3039, 4.4435

Monochromacy



Original Color

42.5786, 23.2969, 4.3504

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.4296, 14.5422, 9.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5786, 23.2969, 4.3504 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, 45, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 41)  
}
```

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, 45, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 41) }
```

Border

The CSS property to change the border of an element to XYZ 42.5786, 23.2969, 4.3504 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, 45, 41) }
```


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

```
.border{ border-color:rgb(255, 45, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 45, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5786, 23.2969, 4.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 41) }
```

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

```
.background{ background-color: rgb(255, 45,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor