

Converting Colors

XYZ(42.4795, 23.3294, 3.5948)

Have a look what the booklet for
XYZ(42.4795, 23.3294, 3.5948)
contains.

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Color

**XYZ(42.4643, 23.3129,
3.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E1F
RGB	255, 46, 31
RGB Percent	100%, 18%, 12%
CMY	0.0000, 0.8195, 0.8784
CMYK	0.00, 0.82, 0.88, 0.00
HSL	4°, 100%, 56%
HSV	4°, 88%, 100%
XYZ	42.4643, 23.3129, 3.5580
YIQ	106.7810, 129.3790, 39.6430

Conversions

Conversions Part 2

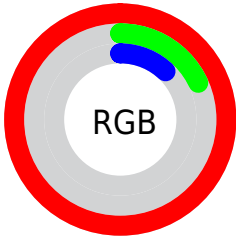
Format	Color
R_{YB}	255, 47, 31
Decimal	16723487
CIE _{Lab}	55.39, 74.51, 59.15
CIE _{LCh}	55, 95.132, 38.446
Yxy	23.3129, 0.6124, 0.3362
Android (android.graphics.Color)	4294913567 (0xFFFF2E1F)
YUV	106.7810, -37.3600, 129.9881
Hunter-Lab	48.2834, 72.4911, 29.4293

Details

The XYZ color **42.4643, 23.3129, 3.5580** 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 **49.7688, 69.8190, 105.4603**, and the grayscale version is **13.9921, 14.7208, 16.0309**.

A 20% lighter version of the original color is **48.5931, 33.6494, 11.5233**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5611, 21.8546, 2.1858**, and if you desaturate by 10%, it is **44.1441, 25.9069, 6.4797**.

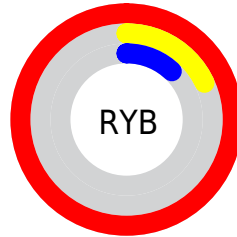
Distribution



Red (100%)

Green (18%)

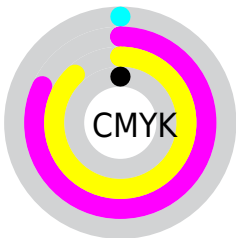
Blue (12%)



Red (100%)

Yellow (18%)

Blue (12%)

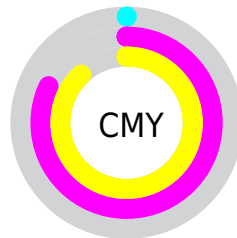


Cyan (0%)

Magenta (82%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (82%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4643, 23.3129, 3.5580 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 42.4643, 23.3129, 3.5580 by changing the saturation by 10% instead.

 42.4643, 23.3129,
3.5580

 42.4643, 23.3129,
3.5580


347.3630,
269.3281, 143.1780


 29.6577, 14.8247,
1.3861


 78.1626, 48.9066,
12.9768


 19.7257, 8.6965,
0.1309


 101.7850, 66.7809,
21.0609

 12.3029, 4.5437,
0.0000


 129.7435, 88.5527,
31.9527

 7.0240, 1.9821,
0.0000

 162.4033,
114.6064, 46.0709

 3.5236, 0.5971,
0.0000

 200.1297,
145.3264, 63.8340


 1.4363, 0.0000,
0.0000

 243.2883,


 0.2819, 0.0000,


181.0971, 85.6605


0.0000


 292.2443,
222.3028, 111.9690

 0.0000, 0.0000,
0.0000


 42.4643, 23.3129,
3.5580


 42.4643, 23.3129,
3.5580


 41.5611, 21.8546,
2.1858


 44.1441, 25.9069,
6.4797

 41.4417, 21.6638,
1.9973

 46.7299, 29.8036,
11.2724

 50.3268, 35.1457,
18.1796

 55.0248, 42.0564,
27.4079

 60.9042, 50.6454,
39.1394

■ 68.0375, 61.0128,
53.5380

■ 76.4917, 73.2509,
70.7538

■ 86.3287, 87.4453,
90.9256

■ 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.



49.3349, 23.3129, 17.6837



42.4643, 23.3129, 3.5580



30.5978, 23.3129, 0.4912

Triad

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



42.4643, 23.3129, 3.5580



8.0139, 23.3129, 9.3201



25.3157, 23.3129, 139.4447

Complementary

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



42.4643, 23.3129, 3.5580



49.7688, 69.8190, 105.4603

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.



15.4335, 23.3129, 128.8963



42.4643, 23.3129, 3.5580



7.4132, 23.3129, 35.0464

Square

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



42.4643, 23.3129, 3.5580



11.6794, 23.3129, 1.5609



9.6458, 23.3129, 82.3795



37.5492, 23.3129, 105.0080

Rectangle

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



42.4643, 23.3129, 3.5580



22.7202, 23.3129, 0.0286



9.6458, 23.3129, 82.3795



21.6055, 23.3129, 141.3733

Sweetspot

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



42.4648, 23.3144, 3.5583



69.4950, 63.1255, 56.4952



57.4676, 28.5350, 84.9683



14.2966, 12.6730, 10.9197



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.



42.4648, 23.3144, 3.5583



41.4420, 21.6640, 1.9973



53.7024, 45.7896, 7.3042



18.1071, 18.1825, 18.6995



21.6905, 11.3922, 1.0557



2.1445, 1.1744, 0.1137

Inverse Universe

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



49.7688, 69.8190, 105.4603



48.5957, 68.3115, 105.2319



26.3428, 22.9670, 97.6516



18.4444, 20.2605, 23.1885



25.4368, 35.7831, 55.0008



2.5068, 3.5443, 5.3653

Previews

White Background



This preview shows how the XYZ color 42.4643, 23.3129, 3.5580 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 42.4643, 23.3129, 3.5580 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 42.4643, 23.3129, 3.5580

Background



This preview shows how black text looks on a background with the XYZ color 42.4643, 23.3129, 3.5580.



This preview shows how white text looks on a background with the XYZ color 42.4643, 23.3129,

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

42.4643, 23.3129, 3.5580

Protanopia

21.1978, 23.3100, 6.5140

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

42.6330, 23.3186, 4.6368

Trichromacy



Original Color

42.4643, 23.3129, 3.5580

Protanomaly

25.6018, 20.0540, 4.9043

Deuteranomaly

28.1545, 20.8529, 2.8577

Tritanomaly

42.5446, 23.2833, 4.1712

Monochromacy



Original Color

42.4643, 23.3129, 3.5580

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.3577, 14.6386, 9.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4643, 23.3129, 3.5580 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, 46, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 31)  
}
```

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, 46, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 31) }
```

Border

The CSS property to change the border of an element to XYZ 42.4643, 23.3129, 3.5580 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, 46, 31) }
```


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

```
.border{ border-color:rgb(255, 46, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 46, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4643, 23.3129, 3.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 31) }
```

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

```
.background{ background-color: rgb(255, 46,  
31) }
```

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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