

Converting Colors

XYZ(42.7071, 24.0116, 5.6946)

Have a look what the booklet for
XYZ(42.7071, 24.0116, 5.6946)
contains.

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Color

**XYZ(42.5648, 23.9680,
5.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	FD3835
RGB	253, 56, 53
RGB Percent	99%, 22%, 21%
CMY	0.0078, 0.7803, 0.7922
CMYK	0.00, 0.78, 0.79, 0.01
HSL	1°, 98%, 60%
HSV	1°, 79%, 99%
XYZ	42.5648, 23.9680, 5.7510
YIQ	114.5610, 118.3750, 40.8310

Conversions

Conversions Part 2

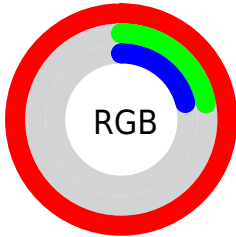
Format	Color
RYB	253, 56, 53
Decimal	16594997
CIELab	56.06, 71.95, 49.19
CIElCh	56, 87.162, 34.361
Yxy	23.9680, 0.5889, 0.3316
Android (android.graphics.Color)	4294785077 (0xFFFD3835)
YUV	114.5610, -30.3496, 121.4110
Hunter-Lab	48.9571, 69.5183, 27.3052

Details

The XYZ color **42.5648, 23.9680, 5.7510** 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 **53.3783, 76.2098, 104.8245**, and the grayscale version is **16.2287, 17.0738, 18.5934**.

A 20% lighter version of the original color is **50.1858, 35.3932, 16.4984**, and **20.5319, 10.5801, 1.1610** is the 20% darker color. If you saturate the color by 10%, you get **41.2063, 21.9500, 3.1449**, and if you desaturate by 10%, it is **44.8313, 27.3120, 10.1732**.

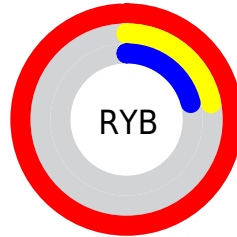
Distribution



Red (99%)

Green (22%)

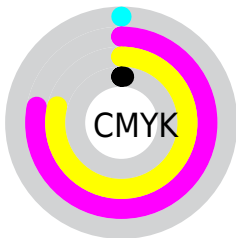
Blue (21%)



Red (99%)

Yellow (22%)

Blue (21%)

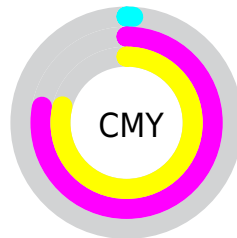


Cyan (0%)

Magenta (78%)

Yellow (79%)

Black (1%)



Cyan (1%)


Magenta (78%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5648, 23.9680, 5.7510 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 42.5648, 23.9680, 5.7510 by changing the saturation by 10% instead.

 42.5648, 23.9680,
5.7510


 42.5648, 23.9680,
5.7510


347.7709,
272.6587, 166.0560


 29.7368, 15.3099,
2.6279


 78.3135, 49.9780,
17.8805


 19.7860, 9.0372,
0.9068


 101.9650, 68.0986,
27.7240

 12.3469, 4.7654,
0.0000


 129.9550, 90.1422,
40.6448

 7.0543, 2.1103,
0.0000

 162.6490,
116.4932, 57.0613

 3.5427, 0.6704,
0.0000

 200.4122,
147.5360, 77.3922

 1.4468, 0.0000,
0.0000

 243.6100,

 0.2892, 0.0000,

183.6548, 102.0559

0.0000

292.6078,
225.2343, 131.4710

■ 0.0000, 0.0000,
0.0000

■ 42.5648, 23.9680,
5.7510

■ 42.5648, 23.9680,
5.7510

■ 41.2063, 21.9500,
3.1449

■ 44.8313, 27.3120,
10.1732

■ 40.5880, 21.0219,
1.9873

■ 48.1251, 32.1517,
16.6599

■ 40.5492, 20.9653,
1.9095

■ 52.5492, 38.6361,
25.4220

■ 58.1937, 46.8953,
36.6439

■ 65.1395, 57.0462,
50.4913

73.4606, 69.1958,
67.1155

83.2256, 83.4431,
86.6562

94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



47.7555, 23.9680, 22.1394



42.5648, 23.9680, 5.7510



32.1285, 23.9680, 1.2951

Triad

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



42.5648, 23.9680, 5.7510



9.4956, 23.9680, 8.8145



24.2705, 23.9680, 128.1166

Complementary

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



42.5648, 23.9680, 5.7510



53.3783, 76.2098, 104.8245

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.



15.4488, 23.9680, 113.5436



42.5648, 23.9680, 5.7510



8.5091, 23.9680, 30.5003

Square

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



42.5648, 23.9680, 5.7510



13.5800, 23.9680, 1.9450



10.3328, 23.9680, 70.9955



35.4109, 23.9680, 102.7726

Rectangle

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



42.5648, 23.9680, 5.7510



24.7180, 23.9680, 0.6927



10.3328, 23.9680, 70.9955



20.9477, 23.9680, 127.8083

Sweetspot

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



42.5653, 23.9695, 5.7513



70.4082, 64.0522, 59.5736



59.5104, 30.5206, 95.6824



14.4431, 12.7940, 11.4987



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.



42.5653, 23.9695, 5.7513



41.5024, 21.6710, 2.3679



52.5416, 43.9220, 9.0768



18.0313, 18.0309, 18.6743



21.5801, 11.1714, 1.0189



2.1086, 1.1025, 0.1017

Inverse Universe

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



53.3783, 76.2098, 104.8245



52.8181, 76.5152, 106.5929



30.5889, 30.6311, 97.2281



18.5300, 20.4317, 23.2170



27.4931, 39.8958, 55.6862



2.6841, 3.8990, 5.4244

Previews

White Background



This preview shows how the XYZ color 42.5648, 23.9680, 5.7510 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 42.5648, 23.9680, 5.7510 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 42.5648, 23.9680, 5.7510

Background



This preview shows how black text looks on a background with the XYZ color 42.5648, 23.9680, 5.7510.



This preview shows how white text looks on a background with the XYZ color 42.5648, 23.9680,

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

42.5648, 23.9680, 5.7510

Protanopia

22.1467, 24.1318, 10.1473

Deuteranopia

24.4153, 24.0069, 5.0972



Tritanopia

42.6360, 23.9965, 6.1260

Trichromacy



Original Color

42.5648, 23.9680, 5.7510

Protanomaly

26.4169, 21.1524, 8.0007

Deuteranomaly

29.0068, 21.9565, 4.9947

Tritanomaly

42.6118, 23.9868, 5.9985

Monochromacy



Original Color

42.5648, 23.9680, 5.7510

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

21.4515, 16.7774, 12.2330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5648, 23.9680, 5.7510 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, 56, 53)` looks like.

```
.text, #text, p{  
    color:rgb(253, 56, 53)  
}
```

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, 56, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 56, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.5648, 23.9680, 5.7510 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, 56, 53) }
```


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

```
.border{ border-color:rgb(253, 56, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 56, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 56, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 56, 53);  
box-shadow:4px 4px 4px 4px rgb(253, 56,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5648, 23.9680, 5.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 56, 53) }
```

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

```
.background{ background-color: rgb(253, 56,  
53) }
```

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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