

Converting Colors

XYZ(42.7693, 24.1785, 5.7336)

Have a look what the booklet for
XYZ(42.7693, 24.1785, 5.7336)
contains.

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Color

**XYZ(42.6137, 24.0659,
5.7674)**

Conversions

Conversions Part 1

Format	Color
Hex	FD3935
RGB	253, 57, 53
RGB Percent	99%, 22%, 21%
CMY	0.0078, 0.7764, 0.7922
CMYK	0.00, 0.77, 0.79, 0.01
HSL	1°, 98%, 60%
HSV	1°, 79%, 99%
XYZ	42.6137, 24.0659, 5.7674
YIQ	115.1480, 118.1000, 40.3080

Conversions

Conversions Part 2

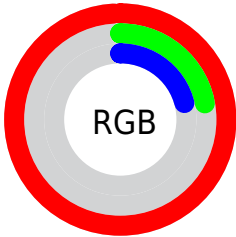
Format	Color
R_{YB}	253, 57, 53
Decimal	16595253
CIE _{Lab}	56.15, 71.68, 49.29
CIE _{LCh}	56, 86.990, 34.516
Yxy	24.0659, 0.5882, 0.3322
Android (android.graphics.Color)	4294785333 (0xFFFD3935)
YUV	115.1480, -30.6390, 120.8962
Hunter-Lab	49.0570, 69.2055, 27.3695

Details

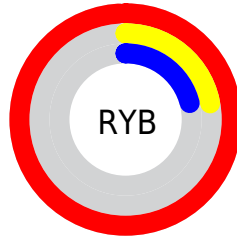
The XYZ color **42.6137, 24.0659, 5.7674** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.0685, 75.5903, 104.7211**, and the grayscale version is **16.4077, 17.2621, 18.7985**.

A 20% lighter version of the original color is **50.3054, 35.6325, 16.5383**, and **20.5319, 10.5801, 1.1610** is the 20% darker color. If you saturate the color by 10%, you get **41.2363, 22.0100, 3.1549**, and if you desaturate by 10%, it is **44.8965, 27.4425, 10.1951**.

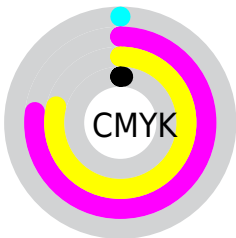
Distribution



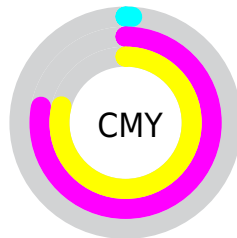
- Red (99%)
- Green (22%)
- Blue (21%)



- Red (99%)
- Yellow (22%)
- Blue (21%)



- Cyan (0%)
- Magenta (77%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (78%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6137, 24.0659, 5.7674 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 42.6137, 24.0659, 5.7674 by changing the saturation by 10% instead.


 42.6137, 24.0659,
5.7674


 42.6137, 24.0659,
5.7674


347.9692,
273.1535, 166.2103


 29.7753, 15.3825,
2.6377


 78.3869, 50.1377,
17.9154


 19.8154, 9.0883,
0.9118


 102.0525, 68.2949,
27.7708

 12.3684, 4.7988,
0.0000


 130.0579, 90.3789,
40.7051

 7.0691, 2.1297,
0.0000

 162.7685,
116.7740, 57.1370

 3.5520, 0.6813,
0.0000

 200.5495,
147.8646, 77.4849

 1.4520, 0.0000,
0.0000

 243.7664,

 0.2928, 0.0000,

184.0351, 102.1674

0.0000

292.7845,
225.6699, 131.6030

■ 0.0000, 0.0000,
0.0000

■ 42.6137, 24.0659,
5.7674

■ 42.6137, 24.0659,
5.7674

■ 41.2363, 22.0100,
3.1549

■ 44.8965, 27.4425,
10.1951

■ 40.6015, 21.0491,
1.9919

■ 48.2022, 32.3061,
16.6858

■ 40.5628, 20.9927,
1.9141

■ 52.6326, 38.8030,
25.4500

■ 58.2765, 47.0611,
36.6718

■ 65.2141, 57.1955,
50.5165

73.5186, 69.3117,
67.1351

83.2577, 83.5072,
86.6673

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.



47.8392, 24.0659, 22.1092



42.6137, 24.0659, 5.7674



32.1658, 24.0659, 1.3141

Triad

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



42.6137, 24.0659, 5.7674



9.5541, 24.0659, 8.9548



24.4188, 24.0659, 128.0781

Complementary

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



42.6137, 24.0659, 5.7674



53.0685, 75.5903, 104.7211

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.



15.5697, 24.0659, 113.7378



42.6137, 24.0659, 5.7674



8.5792, 24.0659, 30.7748

Square

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



42.6137, 24.0659, 5.7674



13.6306, 24.0659, 1.9950



10.4238, 24.0659, 71.3233



35.5647, 24.0659, 102.6046

Rectangle

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



42.6137, 24.0659, 5.7674



24.7576, 24.0659, 0.7149



10.4238, 24.0659, 71.3233



21.0883, 24.0659, 127.8453

Sweetspot

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



42.6142, 24.0674, 5.7677



70.4767, 64.1891, 59.5965



58.9838, 30.3100, 92.9096



14.4589, 12.8256, 11.5040



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.



42.6142, 24.0674, 5.7677



41.5211, 21.7086, 2.3741



53.0948, 45.0285, 9.2613



18.0386, 18.0454, 18.6767



21.5905, 11.1922, 1.0224



2.1120, 1.1094, 0.1028

Inverse Universe

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



53.0685, 75.5903, 104.7211



52.4405, 75.7600, 106.4670



30.0510, 29.5552, 97.0486



18.5218, 20.4151, 23.2143



27.2891, 39.4878, 55.6182



2.6666, 3.8639, 5.4185

Previews

White Background



This preview shows how the XYZ color 42.6137, 24.0659, 5.7674 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 42.6137, 24.0659, 5.7674 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 42.6137, 24.0659, 5.7674

Background



This preview shows how black text looks on a background with the XYZ color 42.6137, 24.0659, 5.7674.



This preview shows how white text looks on a background with the XYZ color 42.6137, 24.0659,

5.7674.

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

42.6137, 24.0659, 5.7674

Protanopia

22.1467, 24.1318, 10.1473

Deuteranopia

24.4153, 24.0069, 5.0972



Tritanopia

42.6607, 24.0064, 6.2561

Trichromacy



Original Color

42.6137, 24.0659, 5.7674

Protanomaly

26.5205, 21.3597, 8.0352

Deuteranomaly

29.0068, 21.9565, 4.9947

Tritanomaly

42.6360, 23.9965, 6.1260

Monochromacy



Original Color

42.6137, 24.0659, 5.7674

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 42.6137, 24.0659, 5.7674 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, 57, 53)` looks like.

```
.text, #text, p{  
    color:rgb(253, 57, 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, 57, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 57, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.6137, 24.0659, 5.7674 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, 57, 53) }
```


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

```
.border{ border-color:rgb(253, 57, 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, 57, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 57, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 57, 53);  
box-shadow:4px 4px 4px 4px rgb(253, 57,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6137, 24.0659, 5.7674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 57, 53) }
```

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

```
.background{ background-color: rgb(253, 57,  
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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