

Converting Colors

XYZ(42.9529, 23.9233, 4.8794)

Have a look what the booklet for
XYZ(42.9529, 23.9233, 4.8794)
contains.

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Color

**XYZ(42.9416, 23.9054,
4.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF342D
RGB	255, 52, 45
RGB Percent	100%, 20%, 18%
CMY	0.0000, 0.7960, 0.8235
CMYK	0.00, 0.80, 0.82, 0.00
HSL	2°, 100%, 59%
HSV	2°, 82%, 100%
XYZ	42.9416, 23.9054, 4.8336
YIQ	111.8990, 123.2350, 40.8590

Conversions

Conversions Part 2

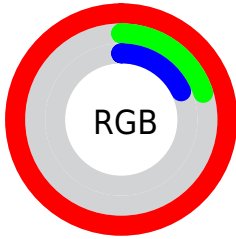
Format	Color
R_{YB}	255, 52, 45
Decimal	16725037
CIE _{Lab}	55.99, 73.35, 53.31
CIE _{LCh}	56, 90.675, 36.009
Yxy	23.9054, 0.5991, 0.3335
Android (android.graphics.Color)	4294915117 (0xFFFF342D)
YUV	111.8990, -32.9812, 125.4996
Hunter-Lab	48.8931, 71.2090, 28.3638

Details

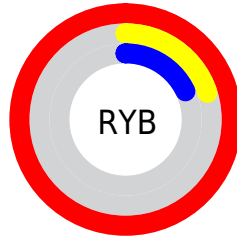
The XYZ color **42.9416, 23.9054, 4.8336** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.6941, 74.9018, 106.2871**, and the grayscale version is **15.4421, 16.2463, 17.6922**.

A 20% lighter version of the original color is **49.5771, 34.7729, 14.4548**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.7620, 22.1095, 2.7052**, and if you desaturate by 10%, it is **44.9916, 26.9695, 8.7120**.

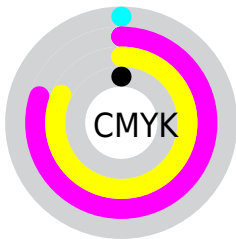
Distribution



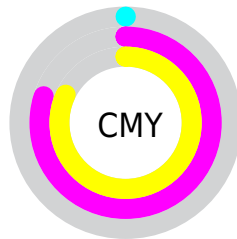
- Red (100%)
- Green (20%)
- Blue (18%)



- Red (100%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9416, 23.9054, 4.8336 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 42.9416, 23.9054, 4.8336 by changing the saturation by 10% instead.


 42.9416, 23.9054,
4.8336


 42.9416, 23.9054,
4.8336


349.2971,
272.3419, 157.0835

 30.0336, 15.2635,
2.0929


 78.8790, 49.8758,
15.8907


 20.0123, 9.0045,
0.6116


 102.6391, 67.9730,
25.0443


 12.5123, 4.7441,
0.0000


 130.7473, 89.9908,
37.1726

 7.1683, 2.0979,
0.0000

 163.5690,
116.3135, 52.6941

 3.6148, 0.6635,
0.0000

 201.4694,
147.3256, 72.0274

 1.4866, 0.0000,
0.0000

 244.8140,

 0.3167, 0.0000,

183.4114, 95.5911

0.0000

293.9681,
224.9554, 123.8036

■ 0.0000, 0.0000,
0.0000

■ 42.9416, 23.9054,
4.8336

■ 42.9416, 23.9054,
4.8336

■ 41.7620, 22.1095,
2.7052

■ 44.9916, 26.9695,
8.7120

■ 41.3321, 21.4448,
1.9608

■ 48.0352, 31.4728,
14.6097

■ 52.1776, 37.5645,
22.7513

■ 57.5100, 45.3741,
33.3311

■ 64.1144, 55.0179,
46.5227

72.0651, 66.6017,
62.4837

81.4311, 80.2237,
81.3593

92.2764, 95.9751,
103.2845

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.



48.8434, 23.9054, 20.5020



42.9416, 23.9054, 4.8336



31.8198, 23.9054, 0.9577

Triad

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



42.9416, 23.9054, 4.8336



8.9499, 23.9054, 9.0427



24.8711, 23.9054, 133.9523

Complementary

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



42.9416, 23.9054, 4.8336



52.6941, 74.9018, 106.2871

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.



15.5471, 23.9054, 120.6635



42.9416, 23.9054, 4.8336



8.1117, 23.9054, 32.4693

Square

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



42.9416, 23.9054, 4.8336



12.9078, 23.9054, 1.7819



10.1178, 23.9054, 76.0308



36.5583, 23.9054, 104.8099

Rectangle

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



42.9416, 23.9054, 4.8336



24.1358, 23.9054, 0.4254



10.1178, 23.9054, 76.0308



21.3633, 23.9054, 134.4751

Sweetspot

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



42.9421, 23.9069, 4.8339



69.8256, 63.3408, 57.9804



59.1212, 29.9139, 91.4641



14.3416, 12.6777, 11.1975



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.



42.9421, 23.9069, 4.8339



41.3735, 21.5046, 2.0434



53.7703, 45.5633, 8.4433



18.0580, 18.0842, 18.6832



21.6181, 11.2475, 1.0316



2.1213, 1.1279, 0.1059

Inverse Universe

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



52.6941, 74.9018, 106.2871



51.2098, 73.4921, 106.0941



28.9546, 27.4228, 98.3740



18.4998, 20.3711, 23.2069



26.7511, 38.4119, 55.4389



2.6203, 3.7714, 5.4031

Previews

White Background



This preview shows how the XYZ color 42.9416, 23.9054, 4.8336 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 42.9416, 23.9054, 4.8336 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 42.9416, 23.9054, 4.8336

Background



This preview shows how black text looks on a background with the XYZ color 42.9416, 23.9054, 4.8336.



This preview shows how white text looks on a background with the XYZ color 42.9416, 23.9054,

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

42.9416, 23.9054, 4.8336

Protanopia

22.0715, 24.1228, 8.8031

Deuteranopia

24.4514, 24.0463, 4.1633



Tritanopia

43.0214, 23.8667, 5.4712

Trichromacy



Original Color

42.9416, 23.9054, 4.8336

Protanomaly

26.5800, 21.1103, 6.8114

Deuteranomaly

28.8919, 21.6308, 3.9487

Tritanomaly

42.9782, 23.8494, 5.2439

Monochromacy



Original Color

42.9416, 23.9054, 4.8336

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

20.7275, 15.9094, 11.2109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9416, 23.9054, 4.8336 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, 52, 45)` looks like.

```
.text, #text, p{  
  color:rgb(255, 52, 45)  
}
```

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, 52, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 45) }
```

Border

The CSS property to change the border of an element to XYZ 42.9416, 23.9054, 4.8336 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, 52, 45) }
```


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

```
.border{ border-color:rgb(255, 52, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9416, 23.9054, 4.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 45) }
```

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

```
.background{ background-color: rgb(255, 52,  
45) }
```

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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