

Converting Colors

XYZ(48.9830, 26.5252, 4.8427)

Have a look what the booklet for
XYZ(48.9830, 26.5252, 4.8427)
contains.

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Color

**XYZ(42.5767, 23.2358,
4.5264)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2C2B
RGB	255, 44, 43
RGB Percent	100%, 17%, 17%
CMY	0.0000, 0.8274, 0.8314
CMYK	0.00, 0.83, 0.83, 0.00
HSL	0°, 100%, 58%
HSV	0°, 83%, 100%
XYZ	42.5767, 23.2358, 4.5264
YIQ	106.9750, 126.0770, 44.4210

Conversions

Conversions Part 2

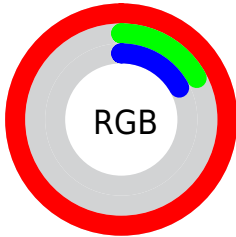
Format	Color
R_{YB}	255, 44, 43
Decimal	16722987
CIE Lab	55.31, 75.18, 53.67
CIE LCh	55, 92.376, 35.523
Yxy	23.2358, 0.6053, 0.3303
Android (android.graphics.Color)	4294913067 (0xFFFF2C2B)
YUV	106.9750, -31.5397, 129.8179
Hunter-Lab	48.2035, 73.3074, 28.1750

Details

The XYZ color **42.5767, 23.2358, 4.5264** 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 **54.4808, 78.6029, 106.9073**, and the grayscale version is **14.0312, 14.7619, 16.0757**.

A 20% lighter version of the original color is **48.9225, 33.6037, 13.8052**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5717, 21.7557, 2.5593**, and if you desaturate by 10%, it is **44.4511, 25.9888, 8.2228**.

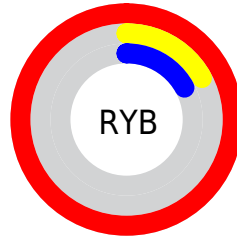
Distribution



Red (100%)

Green (17%)

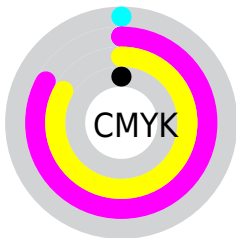
Blue (17%)



Red (100%)

Yellow (17%)

Blue (17%)

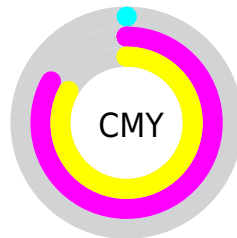


Cyan (0%)

Magenta (83%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5767, 23.2358, 4.5264 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 42.5767, 23.2358, 4.5264 by changing the saturation by 10% instead.


 42.5767, 23.2358,
4.5264


 42.5767, 23.2358,
4.5264


347.8191,
268.9338, 153.9080


 29.7462, 14.7677,
1.9183


 78.3314, 48.7802,
15.2067

 19.7931, 8.6565,
0.5044


 101.9863, 66.6253,
24.1160

 12.3522, 4.5178,
0.0000

 129.9801, 88.3649,
35.9628

 7.0579, 1.9672,
0.0000

 162.6781,
114.3834, 51.1656

 3.5450, 0.5883,
0.0000

 200.4456,
145.0651, 70.1430

 1.4481, 0.0000,
0.0000


 243.6480,


 0.2901, 0.0000,


180.7945, 93.3135

0.0000


292.6508,
221.9559, 121.0956


 0.0000, 0.0000,
0.0000


 42.5767, 23.2358,
4.5264


 42.5767, 23.2358,
4.5264

 41.5717, 21.7557,
2.5593


 44.4511, 25.9888,
8.2228

 41.2530, 21.2865,
1.9344

 47.3321, 30.2121,
13.9266

 51.3345, 36.0736,
21.8680

 56.5571, 43.7174,
32.2456

 63.0881, 53.2719,
45.2361

71.0076, 64.8536,
61.0000

80.3889, 78.5698,
79.6849

91.3006, 94.5202,
101.4277

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.



48.4224, 23.2358, 20.1993



42.5767, 23.2358, 4.5264



31.4045, 23.2358, 0.7897

Triad

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



42.5767, 23.2358, 4.5264



8.4681, 23.2358, 8.2648



24.0571, 23.2358, 135.0822

Complementary

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



42.5767, 23.2358, 4.5264



54.4808, 78.6029, 106.9073

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.



14.8198, 23.2358, 120.7722



42.5767, 23.2358, 4.5264



7.6036, 23.2358, 31.1940

Square

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



42.5767, 23.2358, 4.5264



12.4187, 23.2358, 1.4839



9.5203, 23.2358, 74.9985



35.7911, 23.2358, 105.8724

Rectangle

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



42.5767, 23.2358, 4.5264



23.6760, 23.2358, 0.2290



9.5203, 23.2358, 74.9985



20.5668, 23.2358, 135.3593

Sweetspot

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



42.5772, 23.2373, 4.5267



69.4241, 62.5377, 57.8465



60.1534, 30.2075, 97.2671



14.2494, 12.4932, 11.1667



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.



42.5772, 23.2373, 4.5267



41.2533, 21.2867, 1.9344



52.4231, 42.9291, 7.8087



18.0165, 18.0011, 18.6693



21.5588, 11.1288, 1.0118



2.1015, 1.0883, 0.0993

Inverse Universe

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



54.4808, 78.6029, 106.9073



53.4193, 77.9585, 106.8398



29.7935, 29.2284, 98.6783



18.5470, 20.4656, 23.2227



27.9162, 40.7420, 55.8272



2.7204, 3.9716, 5.4365

Previews

White Background



This preview shows how the XYZ color 42.5767, 23.2358, 4.5264 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 42.5767, 23.2358, 4.5264 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 42.5767, 23.2358, 4.5264

Background



This preview shows how black text looks on a background with the XYZ color 42.5767, 23.2358, 4.5264.



This preview shows how white text looks on a background with the XYZ color 42.5767, 23.2358,

4.5264.

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

42.5767, 23.2358, 4.5264

Protanopia

21.3743, 23.3598, 8.3834

Deuteranopia

23.7185, 23.2902, 3.8176



Tritanopia

42.5586, 23.2285, 4.4310

Trichromacy



Original Color

42.5767, 23.2358, 4.5264

Protanomaly

25.6419, 20.0419, 6.3879

Deuteranomaly

28.2001, 20.7242, 3.5508

Tritanomaly

42.5586, 23.2285, 4.4310

Monochromacy



Original Color

42.5767, 23.2358, 4.5264

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.4685, 14.5578, 10.1713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5767, 23.2358, 4.5264 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, 44, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 43)  
}
```

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, 44, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 43) }
```

Border

The CSS property to change the border of an element to XYZ 42.5767, 23.2358, 4.5264 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, 44, 43) }
```


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

```
.border{ border-color:rgb(255, 44, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5767, 23.2358, 4.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 43) }
```

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

```
.background{ background-color: rgb(255, 44,  
43) }
```

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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