

Converting Colors

XYZ(42.4950, 23.1851, 4.1511)

Have a look what the booklet for
XYZ(42.4950, 23.1851, 4.1511)
contains.

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Color

**XYZ(42.5069, 23.2078,
4.1587)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2C27
RGB	255, 44, 39
RGB Percent	100%, 17%, 15%
CMY	0.0000, 0.8274, 0.8471
CMYK	0.00, 0.83, 0.85, 0.00
HSL	1°, 100%, 58%
HSV	1°, 85%, 100%
XYZ	42.5069, 23.2078, 4.1587
YIQ	106.5190, 127.3610, 43.1770

Conversions

Conversions Part 2

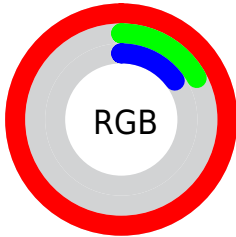
Format	Color
R_{YB}	255, 44, 39
Decimal	16722983
CIE _{Lab}	55.29, 75.10, 55.55
CIE _{LCh}	55, 93.412, 36.492
Yxy	23.2078, 0.6083, 0.3321
Android (android.graphics.Color)	4294913063 (0xFFFF2C27)
YUV	106.5190, -33.2869, 130.2178
Hunter-Lab	48.1745, 73.1947, 28.6039

Details

The XYZ color **42.5069, 23.2078, 4.1587** 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 **53.0660, 76.0101, 106.4816**, and the grayscale version is **13.9091, 14.6335, 15.9358**.

A 20% lighter version of the original color is **48.7545, 33.5365, 12.9204**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5504, 21.7598, 2.4081**, and if you desaturate by 10%, it is **44.3032, 25.8831, 7.5865**.

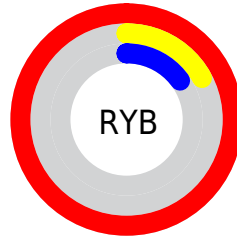
Distribution



Red (100%)

Green (17%)

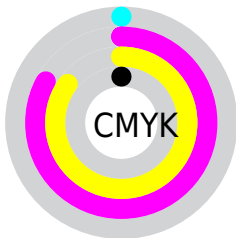
Blue (15%)



Red (100%)

Yellow (17%)

Blue (15%)

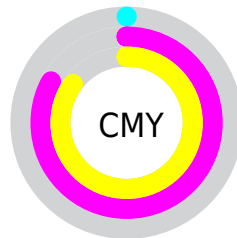


Cyan (0%)

Magenta (83%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5069, 23.2078, 4.1587 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 42.5069, 23.2078, 4.1587 by changing the saturation by 10% instead.


 42.5069, 23.2078,
4.1587


 42.5069, 23.2078,
4.1587


347.5359,
268.7905, 149.9733


 29.6913, 14.7470,
1.7128


 78.2266, 48.7343,
14.3741


 19.7513, 8.6420,
0.3695


 101.8613, 66.5688,
22.9808

 12.3216, 4.5084,
0.0000


 129.8332, 88.2967,
34.4781

 7.0368, 1.9618,
0.0000

 162.5074,
114.3024, 49.2846

 3.5317, 0.5852,
0.0000

 200.2495,
144.9702, 67.8188

 1.4408, 0.0000,
0.0000

 243.4247,

 0.2850, 0.0000,

180.6845, 90.4993

0.0000

292.3984,
221.8299, 117.7446

■ 0.0000, 0.0000,
0.0000

■ 42.5069, 23.2078,
4.1587

■ 42.5069, 23.2078,
4.1587

■ 41.5504, 21.7598,
2.4081

■ 44.3032, 25.8831,
7.5865

■ 41.3040, 21.3885,
1.9514

■ 47.0733, 29.9742,
12.9777

■ 50.9294, 35.6417,
20.5666

■ 55.9679, 43.0237,
30.5543

■ 62.2745, 52.2430,
43.1195

69.9272, 63.4115,
58.4238

78.9974, 76.6318,
76.6156

89.5518, 91.9997,
97.8325

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



48.6929, 23.2078, 19.2991



42.5069, 23.2078, 4.1587



31.0954, 23.2078, 0.6755

Triad

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



42.5069, 23.2078, 4.1587



8.2752, 23.2078, 8.5505



24.4119, 23.2078, 136.6274

Complementary

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



42.5069, 23.2078, 4.1587



53.0660, 76.0101, 106.4816

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.



14.9674, 23.2078, 123.4800



42.5069, 23.2078, 4.1587



7.4994, 23.2078, 32.3591

Square

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



42.5069, 23.2078, 4.1587



12.1269, 23.2078, 1.4873



9.5156, 23.2078, 77.3545



36.3159, 23.2078, 105.6560

Rectangle

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



42.5069, 23.2078, 4.1587



23.3125, 23.2078, 0.1457



9.5156, 23.2078, 77.3545



20.8500, 23.2078, 137.4344

Sweetspot

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



42.5074, 23.2093, 4.1590



69.6821, 63.0539, 57.9326



59.4409, 29.7012, 94.1971



14.3086, 12.6118, 11.1865



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.



42.5074, 23.2093, 4.1590



41.3043, 21.3886, 1.9514



52.6083, 43.4111, 7.5260



18.0432, 18.0546, 18.6782



21.5970, 11.2053, 1.0245



2.1142, 1.1138, 0.1036

Inverse Universe

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



53.0660, 76.0101, 106.4816



51.9487, 75.0174, 106.3496



28.7693, 27.4167, 98.3827



18.5166, 20.4047, 23.2125



27.1607, 39.2309, 55.5754



2.6556, 3.8419, 5.4149

Previews

White Background



This preview shows how the XYZ color 42.5069, 23.2078, 4.1587 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 42.5069, 23.2078, 4.1587 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 42.5069, 23.2078, 4.1587

Background



This preview shows how black text looks on a background with the XYZ color 42.5069, 23.2078, 4.1587.



This preview shows how white text looks on a background with the XYZ color 42.5069, 23.2078,

4.1587.

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

42.5069, 23.2078, 4.1587

Protanopia

21.2358, 23.3043, 7.6539

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

42.5586, 23.2285, 4.4310

Trichromacy



Original Color

42.5069, 23.2078, 4.1587

Protanomaly

25.5232, 19.9944, 5.7629

Deuteranomaly

28.0816, 20.6768, 2.9264

Tritanomaly

42.5409, 23.2215, 4.3379

Monochromacy



Original Color

42.5069, 23.2078, 4.1587

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.3913, 14.5269, 9.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5069, 23.2078, 4.1587 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 39) }
```

Border

The CSS property to change the border of an element to XYZ 42.5069, 23.2078, 4.1587 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, 39) }
```


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

```
.border{ border-color:rgb(255, 44, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5069, 23.2078, 4.1587 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, 39) }
```

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

```
.background{ background-color: rgb(255, 44,  
39) }
```

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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