

Converting Colors

XYZ(42.3838, 23.2973, 4.9485)

Have a look what the booklet for
XYZ(42.3838, 23.2973, 4.9485)
contains.

XYZ(42.4027, 23.3091, 4.9536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4027, 23.3091,
4.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	FE2F2F
RGB	254, 47, 47
RGB Percent	100%, 18%, 18%
CMY	0.0039, 0.8156, 0.8157
CMYK	0.00, 0.81, 0.81, 0.00
HSL	0°, 99%, 59%
HSV	0°, 81%, 100%
XYZ	42.4027, 23.3091, 4.9536
YIQ	108.8930, 123.3720, 43.8840

Conversions

Conversions Part 2

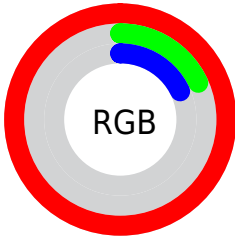
Format	Color
R_{YB}	254, 47, 47
Decimal	16658223
CIE _{Lab}	55.39, 74.34, 51.69
CIE _{LCh}	55, 90.542, 34.811
Yxy	23.3091, 0.6000, 0.3299
Android (android.graphics.Color)	4294848303 (0xFFFE2F2F)
YUV	108.8930, -30.5132, 127.2588
Hunter-Lab	48.2795, 72.2831, 27.7123

Details

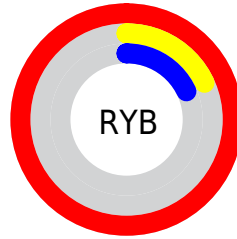
The XYZ color **42.4027, 23.3091, 4.9536** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **54.4973, 78.6314, 106.0704**, and the grayscale version is **14.5673, 15.3259, 16.6899**.

A 20% lighter version of the original color is **49.3229, 34.1209, 14.8129**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2935, 21.6866, 2.7486**, and if you desaturate by 10%, it is **44.4001, 26.2327, 8.9230**.

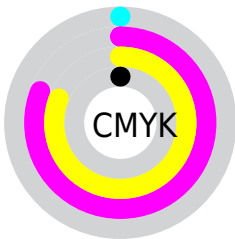
Distribution



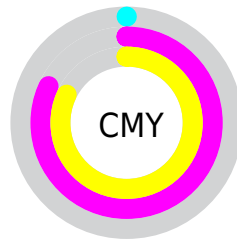
- Red (100%)
- Green (18%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (0%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4027, 23.3091, 4.9536 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 42.4027, 23.3091, 4.9536 by changing the saturation by 10% instead.


 42.4027, 23.3091,
4.9536


 42.4027, 23.3091,
4.9536


347.1129,
269.3086, 158.2987


 29.6092, 14.8219,
2.1618


 78.0701, 48.9004,
16.1553


 19.6888, 8.6945,
0.6522


 101.6747, 66.7732,
25.4024

 12.2760, 4.5425,
0.0000


 129.6137, 88.5435,
37.6382

 7.0054, 1.9814,
0.0000

 162.2526,
114.5954, 53.2814

 3.5119, 0.5966,
0.0000

 199.9566,
145.3135, 72.7505

 1.4299, 0.0000,
0.0000

 243.0910,

 0.2774, 0.0000,

181.0822, 96.4641

0.0000

292.0213,
222.2858, 124.8406

■ 0.0000, 0.0000,
0.0000

■ 42.4027, 23.3091,
4.9536

■ 42.4027, 23.3091,
4.9536

■ 41.2935, 21.6866,
2.7486

■ 44.4001, 26.2327,
8.9230

■ 40.8730, 21.0712,
1.9129

■ 47.4184, 30.6496,
14.9228

■ 51.5699, 36.7245,
23.1754

■ 56.9517, 44.5997,
33.8739

■ 63.6504, 54.4019,
47.1907

71.7451, 66.2466,
63.2826

81.3083, 80.2402,
82.2941

92.4076, 96.4815,
104.3598

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



47.9144, 23.3091, 20.9664



42.4027, 23.3091, 4.9536



31.5639, 23.3091, 0.9485

Triad

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



42.4027, 23.3091, 4.9536



8.7516, 23.3091, 8.2263



23.8355, 23.3091, 132.0966

Complementary

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



42.4027, 23.3091, 4.9536



54.4973, 78.6314, 106.0704

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.



14.8300, 23.3091, 117.2843



42.4027, 23.3091, 4.9536



7.8225, 23.3091, 30.3724

Square

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



42.4027, 23.3091, 4.9536



12.7607, 23.3091, 1.5765



9.6646, 23.3091, 72.6589



35.2990, 23.3091, 104.7294

Rectangle

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



42.4027, 23.3091, 4.9536



23.9709, 23.3091, 0.3725



9.6646, 23.3091, 72.6589



20.4324, 23.3091, 131.9997

Sweetspot

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



42.4032, 23.3105, 4.9539



70.2037, 63.6431, 59.5055



59.7786, 30.2595, 96.4553



14.3958, 12.6994, 11.4829



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.



42.4032, 23.3105, 4.9539



41.3235, 21.3824, 2.0957



52.3722, 43.2486, 8.2769



18.0096, 17.9874, 18.6670



21.5490, 11.1092, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



54.4973, 78.6314, 106.0704



53.8667, 78.7586, 106.9706



30.0480, 29.7328, 97.9206



18.5548, 20.4812, 23.2253



28.1131, 41.1358, 55.8929



2.7373, 4.0053, 5.4421

Previews

White Background



This preview shows how the XYZ color 42.4027, 23.3091, 4.9536 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 42.4027, 23.3091, 4.9536 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 42.4027, 23.3091, 4.9536

Background



This preview shows how black text looks on a background with the XYZ color 42.4027, 23.3091, 4.9536.



This preview shows how white text looks on a background with the XYZ color 42.4027, 23.3091,

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

42.4027, 23.3091, 4.9536

Protanopia

21.5256, 23.4203, 9.1804

Deuteranopia

23.8071, 23.3257, 4.2844



Tritanopia

42.3827, 23.3011, 4.8485

Trichromacy



Original Color

42.4027, 23.3091, 4.9536

Protanomaly

25.8706, 20.2896, 7.1102

Deuteranomaly

28.1166, 20.8070, 4.0476

Tritanomaly

42.3827, 23.3011, 4.8485

Monochromacy



Original Color

42.4027, 23.3091, 4.9536

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.9078, 15.0088, 10.6518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4027, 23.3091, 4.9536 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(254, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(254, 47, 47)  
}
```

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(254, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 47, 47) }
```

Border

The CSS property to change the border of an element to XYZ 42.4027, 23.3091, 4.9536 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(254, 47, 47) }
```


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

```
.border{ border-color:rgb(254, 47, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 47, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(254, 47,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4027, 23.3091, 4.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 47, 47) }
```

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

```
.background{ background-color: rgb(254, 47,  
47) }
```

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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