

Converting Colors

XYZ(42.5788, 23.5616, 3.5368)

Have a look what the booklet for
XYZ(42.5788, 23.5616, 3.5368)
contains.

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Color

**XYZ(42.5727, 23.5504,
3.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	FF311E
RGB	255, 49, 30
RGB Percent	100%, 19%, 12%
CMY	0.0000, 0.8078, 0.8824
CMYK	0.00, 0.81, 0.88, 0.00
HSL	5°, 100%, 56%
HSV	5°, 88%, 100%
XYZ	42.5727, 23.5504, 3.5301
YIQ	108.4280, 128.8750, 37.7630

Conversions

Conversions Part 2

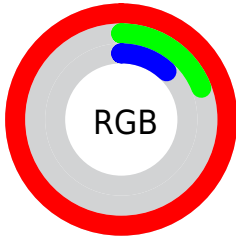
Format	Color
R_{YB}	255, 51, 30
Decimal	16724254
CIE _{Lab}	55.63, 73.79, 59.73
CIE _{LCh}	56, 94.938, 38.991
Yxy	23.5504, 0.6112, 0.3381
Android (android.graphics.Color)	4294914334 (0xFFFF311E)
YUV	108.4280, -38.6650, 128.5436
Hunter-Lab	48.5288, 71.6669, 29.6572

Details

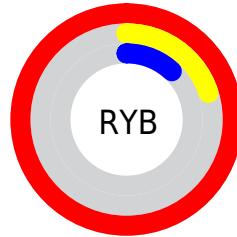
The XYZ color **42.5727, 23.5504, 3.5301** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **48.5750, 67.4753, 105.0710**, and the grayscale version is **14.4568, 15.2096, 16.5633**.

A 20% lighter version of the original color is **48.8187, 34.1007, 11.5985**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.6266, 21.9942, 2.1806**, and if you desaturate by 10%, it is **44.2823, 26.2225, 6.4051**.

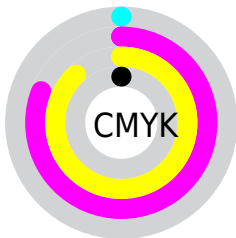
Distribution



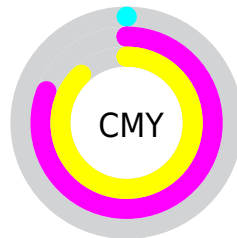
- Red (100%)
- Green (19%)
- Blue (12%)



- Red (100%)
- Yellow (20%)
- Blue (12%)



- Cyan (0%)
- Magenta (81%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5727, 23.5504, 3.5301 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 42.5727, 23.5504, 3.5301 by changing the saturation by 10% instead.

 42.5727, 23.5504,
3.5301


 42.5727, 23.5504,
3.5301

347.8029,
270.5395, 142.8498


 29.7431, 15.0004,
1.3713


 78.3254, 49.2955,
12.9107


 19.7907, 8.8197,
0.1192


 101.9791, 67.2595,
20.9695

 12.3504, 4.6238,
0.0000

 129.9717, 89.1302,
31.8320

 7.0567, 2.0283,
0.0000

 162.6683,
115.2921, 45.9168

 3.5442, 0.6238,
0.0000

 200.4344,
146.1296, 63.6425


 1.4477, 0.0000,
0.0000

 243.6352,


 0.2898, 0.0000,

182.0271, 85.4275


0.0000


 292.6363,
223.3689, 111.6904


 0.0000, 0.0000,
0.0000


 42.5727, 23.5504,
3.5301


 42.5727, 23.5504,
3.5301


 41.6266, 21.9942,
2.1806

 44.2823, 26.2225,
6.4051

 41.5182, 21.8168,
2.0228

 46.8813, 30.1666,
11.1365

 50.4705, 35.5171,
17.9679

 55.1368, 42.3902,
27.1059

 60.9576, 50.8899,
38.7325

■ 68.0031, 61.1110,
53.0112

■ 76.3377, 73.1411,
70.0917

■ 86.0217, 87.0617,
90.1125

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.



49.5980, 23.5504, 17.4670



42.5727, 23.5504, 3.5301



30.6323, 23.5504, 0.5100

Triad

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



42.5727, 23.5504, 3.5301



8.1123, 23.5504, 9.7481



25.7682, 23.5504, 139.6145

Complementary

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



42.5727, 23.5504, 3.5301



48.5750, 67.4753, 105.0710

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.



15.7676, 23.5504, 129.9303



42.5727, 23.5504, 3.5301



7.5568, 23.5504, 36.0380

Square

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



42.5727, 23.5504, 3.5301



11.7439, 23.5504, 1.6727



9.8656, 23.5504, 83.7441



38.0506, 23.5504, 104.5306

Rectangle

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



42.5727, 23.5504, 3.5301



22.7495, 23.5504, 0.0698



9.8656, 23.5504, 83.7441



22.0223, 23.5504, 141.8466

Sweetspot

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



42.5732, 23.5519, 3.5304



69.7524, 63.6403, 56.5810



56.8806, 28.2591, 82.0035



14.3556, 12.7910, 10.9394



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.



42.5732, 23.5519, 3.5304



41.5185, 21.8170, 2.0228



54.2626, 46.9307, 7.4269



18.1328, 18.2337, 18.7081



21.7366, 11.4843, 1.0711



2.1566, 1.1986, 0.1177

Inverse Universe

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



48.5750, 67.4753, 105.0710



47.3150, 65.7499, 104.8050



25.7617, 21.8487, 97.4665



18.4158, 20.2032, 23.1789



24.7777, 34.4651, 54.7811



2.4496, 3.4300, 5.3462

Previews

White Background



This preview shows how the XYZ color 42.5727, 23.5504, 3.5301 looks on a white background.

Color Contrast Check

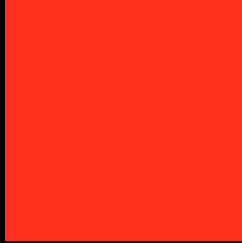
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5727, 23.5504, 3.5301 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 42.5727, 23.5504, 3.5301

Background



This preview shows how black text looks on a background with the XYZ color 42.5727, 23.5504, 3.5301.



This preview shows how white text looks on a background with the XYZ color 42.5727, 23.5504,

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

42.5727, 23.5504, 3.5301

Protanopia

21.4952, 23.6700, 6.4535

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

42.8100, 23.5791, 4.9842

Trichromacy



Original Color

42.5727, 23.5504, 3.5301

Protanomaly

26.0253, 20.5663, 4.8835

Deuteranomaly

28.3417, 21.2272, 2.9201

Tritanomaly

42.6972, 23.5340, 4.3899

Monochromacy



Original Color

42.5727, 23.5504, 3.5301

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.5541, 14.9726, 9.4488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5727, 23.5504, 3.5301 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, 49, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 30)  
}
```

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, 49, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 30) }
```

Border

The CSS property to change the border of an element to XYZ 42.5727, 23.5504, 3.5301 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, 49, 30) }
```


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

```
.border{ border-color:rgb(255, 49, 30) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5727, 23.5504, 3.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 30) }
```

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

```
.background{ background-color: rgb(255, 49,  
30) }
```

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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