

Converting Colors

XYZ(42.8015, 23.7971, 4.2569)

Have a look what the booklet for
XYZ(42.8015, 23.7971, 4.2569)
contains.

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Color

**XYZ(42.7900, 23.7741,
4.2530)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3327
RGB	255, 51, 39
RGB Percent	100%, 20%, 15%
CMY	0.0000, 0.7999, 0.8471
CMYK	0.00, 0.80, 0.85, 0.00
HSL	3°, 100%, 58%
HSV	3°, 85%, 100%
XYZ	42.7900, 23.7741, 4.2530
YIQ	110.6280, 125.4360, 39.5160

Conversions

Conversions Part 2

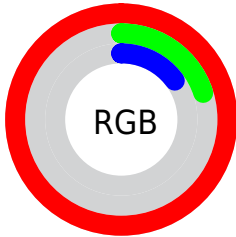
Format	Color
R_{YB}	255, 52, 39
Decimal	16724775
CIE _{Lab}	55.86, 73.47, 56.04
CIE _{LCh}	56, 92.399, 37.336
Yxy	23.7741, 0.6042, 0.3357
Android (android.graphics.Color)	4294914855 (0xFFFF3327)
YUV	110.6280, -35.3126, 126.6142
Hunter-Lab	48.7587, 71.3216, 28.9595

Details

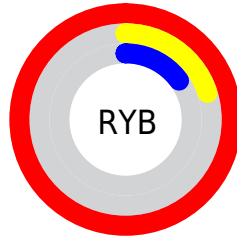
The XYZ color **42.7900, 23.7741, 4.2530** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **50.9316, 71.7412, 105.7700**, and the grayscale version is **15.0775, 15.8627, 17.2745**.

A 20% lighter version of the original color is **49.2468, 34.4554, 13.2875**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.7061, 22.0712, 2.4599**, and if you desaturate by 10%, it is **44.7022, 26.6814, 7.7194**.

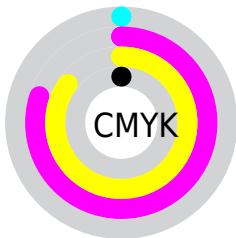
Distribution



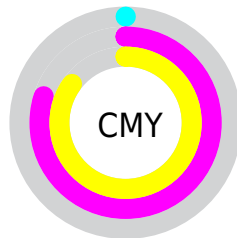
- Red (100%)
- Green (20%)
- Blue (15%)



- Red (100%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (80%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7900, 23.7741, 4.2530 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 42.7900, 23.7741, 4.2530 by changing the saturation by 10% instead.


 42.7900, 23.7741,
4.2530


 42.7900, 23.7741,
4.2530

348.6836,
271.6764, 150.9973


 29.9142, 15.1661,
1.7651


 78.6516, 49.6613,
14.5892

 19.9212, 8.9361,
0.4048


 102.3680, 67.7093,
23.2746

 12.4457, 4.6995,
0.0000


 130.4287, 89.6729,
34.8629

 7.1223, 2.0721,
0.0000

 163.1990,
115.9362, 49.7727

 3.5857, 0.6488,
0.0000

 201.0443,
146.8839, 68.4225

 1.4706, 0.0000,
0.0000

 244.3300,

 0.3057, 0.0000,

182.9002, 91.2308

0.0000

293.4213,
224.3696, 118.6162

■ 0.0000, 0.0000,
0.0000

■ 42.7900, 23.7741,
4.2530

■ 42.7900, 23.7741,
4.2530

■ 41.7061, 22.0712,
2.4599

■ 44.7022, 26.6814,
7.7194

■ 41.3992, 21.5790,
1.9832

■ 47.5641, 30.9560,
13.1411

■ 51.4785, 36.7401,
20.7493

■ 56.5345, 44.1572,
30.7429

■ 62.8117, 53.3177,
43.2982

70.3826, 64.3226,
58.5751

79.3139, 77.2651,
76.7204

89.6680, 92.2323,
97.8705

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



49.1724, 23.7741, 19.1728



42.7900, 23.7741, 4.2530



31.3186, 23.7741, 0.7724

Triad

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



42.7900, 23.7741, 4.2530



8.6014, 23.7741, 9.3685



25.2783, 23.7741, 136.2882

Complementary

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



42.7900, 23.7741, 4.2530



50.9316, 71.7412, 105.7700

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.



15.6658, 23.7741, 124.5430



42.7900, 23.7741, 4.2530



7.8888, 23.7741, 34.0075

Square

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



42.7900, 23.7741, 4.2530



12.4172, 23.7741, 1.7458



10.0301, 23.7741, 79.2925



37.2137, 23.7741, 104.6340

Rectangle

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



42.7900, 23.7741, 4.2530



23.5495, 23.7741, 0.2805



10.0301, 23.7741, 79.2925



21.6697, 23.7741, 137.5374

Sweetspot

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



42.7905, 23.7756, 4.2533



70.1412, 63.9719, 58.0856



58.3246, 29.2547, 88.3192



14.4142, 12.8230, 11.2217



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.



42.7905, 23.7756, 4.2533



41.3996, 21.5792, 1.9832



53.7986, 45.7918, 7.9227



18.0905, 18.1491, 18.6940



21.6644, 11.3400, 1.0470



2.1366, 1.1586, 0.1110

Inverse Universe

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



50.9316, 71.7412, 105.7700



49.4497, 70.0195, 105.5166



27.7189, 25.3160, 98.0325



18.4632, 20.2980, 23.1947



25.8760, 36.6616, 55.1472



2.5448, 3.6204, 5.3779

Previews

White Background



This preview shows how the XYZ color 42.7900, 23.7741, 4.2530 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 42.7900, 23.7741, 4.2530 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 42.7900, 23.7741, 4.2530

Background



This preview shows how black text looks on a background with the XYZ color 42.7900, 23.7741, 4.2530.



This preview shows how white text looks on a background with the XYZ color 42.7900, 23.7741,

4.2530.

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

42.7900, 23.7741, 4.2530

Protanopia

21.7089, 23.7555, 7.5788

Deuteranopia

24.1669, 23.7248, 3.3056



Tritanopia

42.9563, 23.7715, 5.3419

Trichromacy



Original Color

42.7900, 23.7741, 4.2530

Protanomaly

26.3092, 20.8399, 5.8847

Deuteranomaly

28.6285, 21.3729, 3.0320

Tritanomaly

42.8737, 23.7385, 4.9071

Monochromacy



Original Color

42.7900, 23.7741, 4.2530

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.3163, 15.5872, 10.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7900, 23.7741, 4.2530 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, 51, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 39) }
```

Border

The CSS property to change the border of an element to XYZ 42.7900, 23.7741, 4.2530 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, 51, 39) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7900, 23.7741, 4.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 39) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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