

Converting Colors

XYZ(42.6917, 23.5663, 4.2544)

Have a look what the booklet for
XYZ(42.6917, 23.5663, 4.2544)
contains.

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Color

**XYZ(42.7045, 23.6031,
4.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3127
RGB	255, 49, 39
RGB Percent	100%, 19%, 15%
CMY	0.0000, 0.8078, 0.8471
CMYK	0.00, 0.81, 0.85, 0.00
HSL	3°, 100%, 58%
HSV	3°, 85%, 100%
XYZ	42.7045, 23.6031, 4.2245
YIQ	109.4540, 125.9860, 40.5620

Conversions

Conversions Part 2

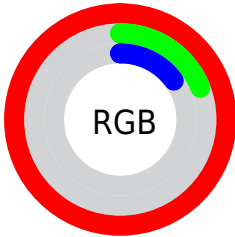
Format	Color
R_{YB}	255, 49, 39
Decimal	16724263
CIE _{Lab}	55.69, 73.95, 55.89
CIE _{LCh}	56, 92.700, 37.081
Yxy	23.6031, 0.6055, 0.3346
Android (android.graphics.Color)	4294914343 (0xFFFF3127)
YUV	109.4540, -34.7338, 127.6438
Hunter-Lab	48.5830, 71.8813, 28.8526

Details

The XYZ color **42.7045, 23.6031, 4.2245** 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 **51.5330, 72.9441, 105.9705**, and the grayscale version is **14.7381, 15.5057, 16.8857**.

A 20% lighter version of the original color is **49.1322, 34.2260, 13.2493**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.6569, 21.9728, 2.4435**, and if you desaturate by 10%, it is **44.5841, 26.4452, 7.6801**.

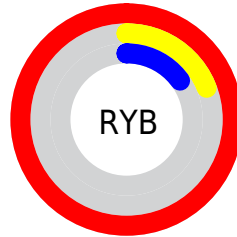
Distribution



Red (100%)

Green (19%)

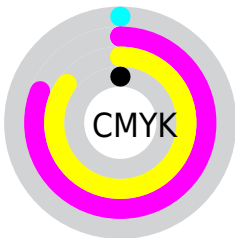
Blue (15%)



Red (100%)

Yellow (19%)

Blue (15%)

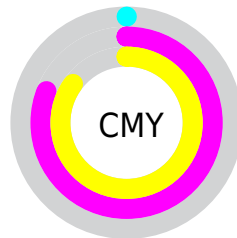


Cyan (0%)

Magenta (81%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7045, 23.6031, 4.2245 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 42.7045, 23.6031, 4.2245 by changing the saturation by 10% instead.


 42.7045, 23.6031,
4.2245


 42.7045, 23.6031,
4.2245


348.3373,
270.8077, 150.6889


 29.8468, 15.0395,
1.7493


 78.5232, 49.3817,
14.5243

 19.8699, 8.8471,
0.3942


 102.2150, 67.3655,
23.1860

 12.4082, 4.6416,
0.0000


 130.2489, 89.2582,
34.7469

 7.0965, 2.0385,
0.0000

 162.9903,
115.4440, 49.6256

 3.5694, 0.6297,
0.0000

 200.8044,
146.3075, 68.2406

 1.4615, 0.0000,
0.0000

 244.0567,

 0.2994, 0.0000,

182.2330, 91.0105

0.0000

293.1126,
223.6050, 118.3537

■ 0.0000, 0.0000,
0.0000

■ 42.7045, 23.6031,
4.2245

■ 42.7045, 23.6031,
4.2245

■ 41.6569, 21.9728,
2.4435

■ 44.5841, 26.4452,
7.6801

■ 41.3691, 21.5186,
1.9731

■ 47.4205, 30.6687,
13.0933

■ 51.3190, 36.4211,
20.6962

■ 56.3707, 43.8296,
30.6883

■ 62.6570, 53.0082,
43.2466

70.2518, 64.0609,
58.5315

79.2232, 77.0836,
76.6902

89.6346, 92.1656,
97.8593

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.



49.0278, 23.6031, 19.2103



42.7045, 23.6031, 4.2245



31.2512, 23.6031, 0.7433

Triad

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



42.7045, 23.6031, 4.2245



8.5026, 23.6031, 9.1180



25.0162, 23.6031, 136.3884

Complementary

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



42.7045, 23.6031, 4.2245



51.5330, 72.9441, 105.9705

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.



15.4541, 23.6031, 124.2225



42.7045, 23.6031, 4.2245



7.7706, 23.6031, 33.5073

Square

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



42.7045, 23.6031, 4.2245



12.3295, 23.6031, 1.6654



9.8739, 23.6031, 78.7075



36.9427, 23.6031, 104.9385

Rectangle

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



42.7045, 23.6031, 4.2245



23.4780, 23.6031, 0.2401



9.8739, 23.6031, 78.7075



21.4215, 23.6031, 137.5051

Sweetspot

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



42.7050, 23.6046, 4.2248



70.0094, 63.7084, 58.0416



58.8773, 29.4757, 91.2298



14.3839, 12.7623, 11.2116



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.



42.7050, 23.6046, 4.2248



41.3694, 21.5188, 1.9731



53.1945, 44.5835, 7.7213



18.0769, 18.1220, 18.6895



21.6451, 11.3014, 1.0406



2.1302, 1.1458, 0.1089

Inverse Universe

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



51.5330, 72.9441, 105.9705



50.1521, 71.4242, 105.7507



28.2354, 26.3490, 98.2047



18.4784, 20.3284, 23.1998



26.2372, 37.3840, 55.2676



2.5760, 3.6828, 5.3883

Previews

White Background



This preview shows how the XYZ color 42.7045, 23.6031, 4.2245 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 42.7045, 23.6031, 4.2245 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 42.7045, 23.6031, 4.2245

Background



This preview shows how black text looks on a background with the XYZ color 42.7045, 23.6031, 4.2245.



This preview shows how white text looks on a background with the XYZ color 42.7045, 23.6031,

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

42.7045, 23.6031, 4.2245

Protanopia

21.7351, 23.7660, 7.7167

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

42.8305, 23.5873, 5.0917

Trichromacy



Original Color

42.7045, 23.6031, 4.2245

Protanomaly

26.2091, 20.6398, 5.8513

Deuteranomaly

28.3605, 21.2347, 3.0194

Tritanomaly

42.7706, 23.5634, 4.7765

Monochromacy



Original Color

42.7045, 23.6031, 4.2245

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.9087, 15.1379, 10.2601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7045, 23.6031, 4.2245 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 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, 49, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 39) }
```

Border

The CSS property to change the border of an element to XYZ 42.7045, 23.6031, 4.2245 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, 39) }
```


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

```
.border{ border-color:rgb(255, 49, 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, 49, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7045, 23.6031, 4.2245 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, 39) }
```

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

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