

Converting Colors

XYZ(42.8392, 23.6001, 5.1091)

Have a look what the booklet for
XYZ(42.8392, 23.6001, 5.1091)
contains.

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Color

**XYZ(42.8305, 23.5873,
5.0917)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3030
RGB	255, 48, 48
RGB Percent	100%, 19%, 19%
CMY	0.0000, 0.8117, 0.8118
CMYK	0.00, 0.81, 0.81, 0.00
HSL	0°, 100%, 59%
HSV	0°, 81%, 100%
XYZ	42.8305, 23.5873, 5.0917
YIQ	109.8930, 123.3720, 43.8840

Conversions

Conversions Part 2

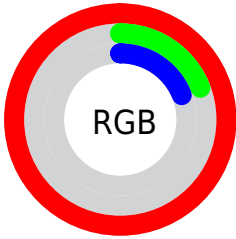
Format	Color
RYB	255, 48, 48
Decimal	16724016
CIELab	55.67, 74.40, 51.52
CIElCh	56, 90.495, 34.700
Yxy	23.5873, 0.5989, 0.3298
Android (android.graphics.Color)	4294914096 (0xFFFF3030)
YUV	109.8930, -30.5132, 127.2588
Hunter-Lab	48.5668, 72.4254, 27.7808

Details

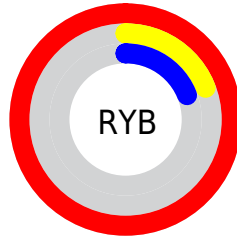
The XYZ color **42.8305, 23.5873, 5.0917** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.0227, 79.3561, 107.0244**, and the grayscale version is **14.8527, 15.6262, 17.0170**.

A 20% lighter version of the original color is **49.4821, 34.3660, 15.0916**, and **20.9972, 10.8232, 1.0398** is the 20% darker color. If you saturate the color by 10%, you get **41.6864, 21.9137, 2.8173**, and if you desaturate by 10%, it is **44.8757, 26.5809, 9.1561**.

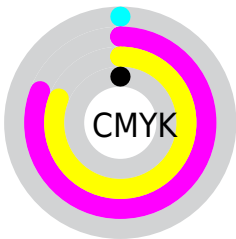
Distribution



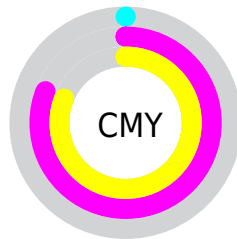
- Red (100%)
- Green (19%)
- Blue (19%)



- Red (100%)
- Yellow (19%)
- Blue (19%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8305, 23.5873, 5.0917 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 42.8305, 23.5873, 5.0917 by changing the saturation by 10% instead.


 42.8305, 23.5873,
5.0917


 42.8305, 23.5873,
5.0917


348.8476,
270.7273, 159.6807


 29.9461, 15.0278,
2.2415


 78.7123, 49.3559,
16.4581


 19.9455, 8.8389,
0.6982


 102.4404, 67.3337,
25.8115


 12.4635, 4.6362,
0.0000


 130.5139, 89.2198,
38.1696

 7.1346, 2.0355,
0.0000

 163.2979,
115.3985, 53.9510

 3.5935, 0.6279,
0.0000

 201.1579,
146.2542, 73.5743

 1.4748, 0.0000,
0.0000

 244.4593,

 0.3086, 0.0000,

182.1713, 97.4579

0.0000

293.5674,
223.5342, 126.0206

■ 0.0000, 0.0000,
0.0000

■ 42.8305, 23.5873,
5.0917

■ 42.8305, 23.5873,
5.0917

■ 41.6864, 21.9137,
2.8173

■ 44.8757, 26.5809,
9.1561

■ 41.2400, 21.2604,
1.9301

■ 47.9551, 31.0872,
15.2775

■ 52.1816, 37.2718,
23.6791

■ 57.6527, 45.2778,
34.5552

■ 64.4558, 55.2326,
48.0794

72.6703, 67.2527,
64.4095

82.3693, 81.4450,
83.6911

93.6211, 97.9093,
106.0597

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



48.3447, 23.5873, 21.3308



42.8305, 23.5873, 5.0917



31.9365, 23.5873, 0.9910

Triad

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



42.8305, 23.5873, 5.0917



8.9079, 23.5873, 8.3288



24.0725, 23.5873, 132.9453

Complementary

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



42.8305, 23.5873, 5.0917



55.0227, 79.3561, 107.0244

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.



15.0095, 23.5873, 117.9228



42.8305, 23.5873, 5.0917



7.9583, 23.5873, 30.5893

Square

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



42.8305, 23.5873, 5.0917



12.9696, 23.5873, 1.6182



9.8092, 23.5873, 73.0563



35.6092, 23.5873, 105.6054

Rectangle

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



42.8305, 23.5873, 5.0917



24.2884, 23.5873, 0.4109



9.8092, 23.5873, 73.0563



20.6481, 23.5873, 132.7915

Sweetspot

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



42.8310, 23.5888, 5.0920



70.2037, 63.6431, 59.5055



60.3466, 30.5938, 97.3317



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.



42.8310, 23.5888, 5.0920



41.3652, 21.4433, 2.1785



52.9205, 43.7678, 8.4552



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.



55.0227, 79.3561, 107.0244



53.8987, 78.7753, 106.9721



30.4161, 30.1429, 98.8222



18.5548, 20.4812, 23.2253



28.1132, 41.1359, 55.8929



2.7373, 4.0053, 5.4421

Previews

White Background



This preview shows how the XYZ color 42.8305, 23.5873, 5.0917 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 42.8305, 23.5873, 5.0917 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 42.8305, 23.5873, 5.0917

Background



This preview shows how black text looks on a background with the XYZ color 42.8305, 23.5873, 5.0917.



This preview shows how white text looks on a background with the XYZ color 42.8305, 23.5873,

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

42.8305, 23.5873, 5.0917

Protanopia

21.6950, 23.7082, 9.3939

Deuteranopia

23.9474, 23.5874, 4.3893



Tritanopia

42.8100, 23.5791, 4.9842

Trichromacy



Original Color

42.8305, 23.5873, 5.0917

Protanomaly

25.9972, 20.4985, 7.2890

Deuteranomaly

28.4905, 21.1361, 4.1682

Tritanomaly

42.8100, 23.5791, 4.9842

Monochromacy



Original Color

42.8305, 23.5873, 5.0917

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

20.2328, 15.2910, 10.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8305, 23.5873, 5.0917 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, 48, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 48)  
}
```

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, 48, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 48) }
```

Border

The CSS property to change the border of an element to XYZ 42.8305, 23.5873, 5.0917 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, 48, 48) }
```


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

```
.border{ border-color:rgb(255, 48, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8305, 23.5873, 5.0917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 48) }
```

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

```
.background{ background-color: rgb(255, 48,  
48) }
```

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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