

Converting Colors

XYZ(39.5387, 23.3102, 7.8227)

Have a look what the booklet for
XYZ(39.5387, 23.3102, 7.8227)
contains.

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Color

**XYZ(39.7285, 23.4288,
7.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	F24444
RGB	242, 68, 68
RGB Percent	95%, 27%, 27%
CMY	0.0510, 0.7333, 0.7333
CMYK	0.00, 0.72, 0.72, 0.05
HSL	0°, 87%, 61%
HSV	0°, 72%, 95%
XYZ	39.7285, 23.4288, 7.8971
YIQ	120.0260, 103.7040, 36.8880

Conversions

Conversions Part 2

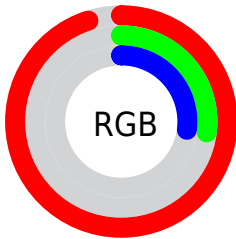
Format	Color
R _Y B	242, 68, 68
Decimal	15877188
CIE Lab	55.51, 65.61, 39.89
CIE LCh	56, 76.781, 31.300
Yxy	23.4288, 0.5591, 0.3297
Android (android.graphics.Color)	4294067268 (0xFFFF24444)
YUV	120.0260, -25.6488, 106.9712
Hunter-Lab	48.4033, 61.8036, 24.2090

Details

The XYZ color **39.7285, 23.4288, 7.8971** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **50.1595, 71.1371, 95.0912**, and the grayscale version is **17.9186, 18.8517, 20.5295**.

A 20% lighter version of the original color is **52.0403, 37.7231, 21.3681**, and **18.5250, 9.5309, 1.7274** is the 20% darker color. If you saturate the color by 10%, you get **37.9624, 20.8450, 4.3859**, and if you desaturate by 10%, it is **42.4037, 27.3441, 13.2143**.

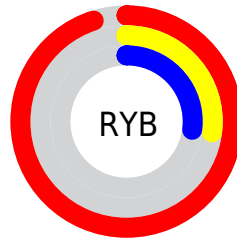
Distribution



Red (95%)

Green (27%)

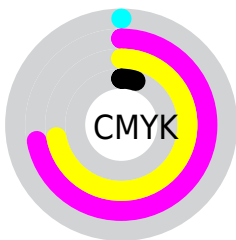
Blue (27%)



Red (95%)

Yellow (27%)

Blue (27%)

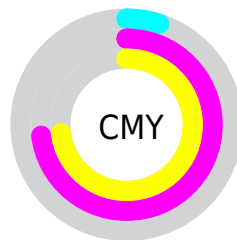


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (5%)



Cyan (5%)


Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7285, 23.4288, 7.8971 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 39.7285, 23.4288, 7.8971 by changing the saturation by 10% instead.


 39.7285, 23.4288,
7.8971


 39.7285, 23.4288,
7.8971


336.1320,
269.9198, 184.8270

 27.5102, 14.9104,
3.9423


 74.0369, 49.0965,
22.2993

 18.0953, 8.7566,
1.5938


 96.8577, 67.0146,
33.5838


 11.1186, 4.5827,
0.2864


 123.9433, 88.8347,
48.1487

 6.2145, 2.0046,
0.0000

 155.6592,
114.9413, 66.4124

 3.0178, 0.6101,
0.0000

 192.3706,
145.7187, 88.7936

 1.1632, 0.0000,
0.0000

234.4430,

 0.0770, 0.0000,

181.5513, 115.7107

0.0000

282.2417,
222.8236, 147.5824

■ 0.0000, 0.0000,
0.0000

■ 39.7285, 23.4288,
7.8971

■ 39.7285, 23.4288,
7.8971

■ 37.9624, 20.8450,
4.3859

■ 42.4037, 27.3441,
13.2143

■ 36.9839, 19.4131,
2.4412


■ 46.0861, 32.7326,
20.5344


■ 36.6180, 18.8775,
1.7137


■ 50.8628, 39.7224,
30.0301

■ 56.8112, 48.4266,
41.8551

■ 64.0015, 58.9481,
56.1492

 72.4986, 71.3817,
73.0411

 82.3627, 85.8156,
92.6508

 90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



43.3920, 23.4288, 24.4441



39.7285, 23.4288, 7.8971



31.2538, 23.4288, 2.3835

Triad

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



39.7285, 23.4288, 7.8971



10.6289, 23.4288, 8.7853



22.6480, 23.4288, 108.9755

Complementary

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



39.7285, 23.4288, 7.8971



50.1595, 71.1371, 95.0912

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.



15.1948, 23.4288, 94.3051



39.7285, 23.4288, 7.8971



9.4309, 23.4288, 26.6064

Square

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



39.7285, 23.4288, 7.8971



14.6937, 23.4288, 2.6131



10.8611, 23.4288, 59.1433



32.0806, 23.4288, 91.7440

Rectangle

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



39.7285, 23.4288, 7.8971



24.8816, 23.4288, 1.4493



10.8611, 23.4288, 59.1433



19.8449, 23.4288, 107.5701

Sweetspot

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



39.7290, 23.4302, 7.8975



71.9384, 66.1814, 62.9547



54.7119, 29.4223, 86.7995



14.8973, 13.4331, 12.4799



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.



39.7290, 23.4302, 7.8975



42.1761, 22.6301, 3.7903



49.3826, 42.7372, 11.1153



15.7729, 15.7590, 16.3602



19.6716, 10.1413, 0.9207



1.6365, 0.8437, 0.0766

Inverse Universe

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



50.1595, 71.1371, 95.0912



54.5226, 79.1007, 107.0021



30.1322, 31.0824, 88.4154



16.2474, 17.9288, 20.3259



25.6649, 37.5541, 51.0239



2.1351, 3.1242, 4.2447

Previews

White Background



This preview shows how the XYZ color 39.7285, 23.4288, 7.8971 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 39.7285, 23.4288, 7.8971 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 39.7285, 23.4288, 7.8971

Background



This preview shows how black text looks on a background with the XYZ color 39.7285, 23.4288, 7.8971.



This preview shows how white text looks on a background with the XYZ color 39.7285, 23.4288,

7.8971.

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

39.7285, 23.4288, 7.8971

Protanopia

21.7346, 23.4425, 13.0522

Deuteranopia

23.8449, 23.4735, 7.1450



Tritanopia

39.7906, 23.4537, 8.2242

Trichromacy



Original Color

39.7285, 23.4288, 7.8971

Protanomaly

25.8140, 21.2498, 10.7237

Deuteranomaly

27.9887, 21.9824, 7.1828

Tritanomaly

39.7592, 23.4412, 8.0593

Monochromacy



Original Color

39.7285, 23.4288, 7.8971

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.3125, 18.1395, 14.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7285, 23.4288, 7.8971 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(242, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(242, 68, 68)  
}
```

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(242, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 68, 68) }
```

Border

The CSS property to change the border of an element to XYZ 39.7285, 23.4288, 7.8971 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(242, 68, 68) }
```


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

```
.border{ border-color:rgb(242, 68, 68) }
```

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

Here you see how a box with a 4 pixel rgb(242, 68, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(242, 68,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7285, 23.4288, 7.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 68, 68) }
```

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

```
.background{ background-color: rgb(242, 68,  
68) }
```

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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