

Converting Colors

XYZ(39.1989, 20.9323, 4.2787)

Have a look what the booklet for
XYZ(39.1989, 20.9323, 4.2787)
contains.

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Color

**XYZ(39.3103, 20.9816,
4.2635)**

Conversions

Conversions Part 1

Format	Color
Hex	F7202B
RGB	247, 32, 43
RGB Percent	97%, 13%, 17%
CMY	0.0314, 0.8744, 0.8314
CMYK	0.00, 0.87, 0.83, 0.03
HSL	357°, 93%, 55%
HSV	357°, 87%, 97%
XYZ	39.3103, 20.9816, 4.2635
YIQ	97.5390, 124.6090, 49.0010

Conversions

Conversions Part 2

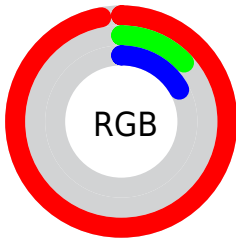
Format	Color
RYB	247, 32, 43
Decimal	16195627
CIELab	52.93, 75.42, 50.93
CIELCh	53, 91.004, 34.030
Yxy	20.9816, 0.6089, 0.3250
Android (android.graphics.Color)	4294385707 (0xFFFF7202B)
YUV	97.5390, -26.8877, 131.0773
Hunter-Lab	45.8057, 73.0283, 26.5454

Details

The XYZ color **39.3103, 20.9816, 4.2635** 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 **49.0011, 72.8861, 90.8623**, and the grayscale version is **11.5413, 12.1423, 13.2230**.

A 20% lighter version of the original color is **48.1799, 32.1185, 13.5577**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **38.5594, 19.9820, 2.4662**, and if you desaturate by 10%, it is **40.8035, 23.0719, 7.5253**.

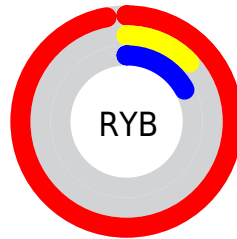
Distribution



Red (97%)

Green (13%)

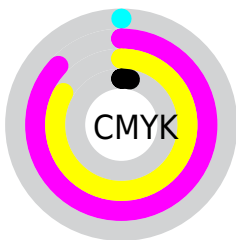
Blue (17%)



Red (97%)

Yellow (13%)

Blue (17%)

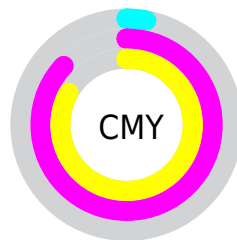


Cyan (0%)

Magenta (87%)

Yellow (83%)

Black (3%)



Cyan (3%)


Magenta (87%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3103, 20.9816, 4.2635 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 39.3103, 20.9816, 4.2635 by changing the saturation by 10% instead.


 39.3103, 20.9816,
4.2635


 39.3103, 20.9816,
4.2635

334.3924,
257.1807, 151.1106


 27.1830, 13.1106,
1.7710


 73.4032, 45.0569,
14.6130

 17.8480, 7.5047,
0.4087


 96.0994, 62.0300,
23.3072


 10.9400, 3.7797,
0.0000


 123.0494, 82.8058,
34.9056

 6.0935, 1.5511,
0.0000

 154.6185,
107.7688, 49.8268

 2.9432, 0.3243,
0.0000

 191.1719,
137.3034, 68.4893

 1.1238, 0.0000,
0.0000

 233.0752,

 0.0449, 0.0000,

171.7940, 91.3118

0.0000

280.6936,
211.6250, 118.7127

■ 0.0000, 0.0000,
0.0000

■ 39.3103, 20.9816,
4.2635

■ 39.3103, 20.9816,
4.2635

■ 38.5594, 19.9820,
2.4662

■ 40.8035, 23.0719,
7.5253


■ 38.4276, 19.8020,
2.1645


■ 43.1721, 26.4587,
12.4775


■ 46.5232, 31.3078,
19.3078


■ 50.9485, 37.7594,
28.1787

■ 56.5291, 45.9375,
39.2353

 63.3381, 55.9537,
52.6092

 71.4429, 67.9104,
68.4219

 80.9057, 81.9023,
86.7862

 91.7849, 98.0180,
107.8081

Harmonies

Analogous

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



44.3761, 20.9816, 19.3518



39.3103, 20.9816, 4.2635



29.0912, 20.9816, 0.6601

Triad

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



39.3103, 20.9816, 4.2635



7.5880, 20.9816, 6.7087



21.2582, 20.9816, 125.3679

Complementary

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



39.3103, 20.9816, 4.2635



49.0011, 72.8861, 90.8623

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.



12.9461, 20.9816, 109.9626



39.3103, 20.9816, 4.2635



6.6791, 20.9816, 26.7360

Square

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



39.3103, 20.9816, 4.2635



11.3446, 20.9816, 1.1145



8.2845, 20.9816, 66.5996



32.0559, 20.9816, 99.7789

Rectangle

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



39.3103, 20.9816, 4.2635



21.9096, 20.9816, 0.0522



8.2845, 20.9816, 66.5996



18.0966, 20.9816, 124.8868

Sweetspot

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



39.3108, 20.9829, 4.2638



68.8969, 61.3358, 58.1259



50.8015, 25.0176, 90.1463



14.1599, 12.2639, 11.2921



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.



39.3108, 20.9829, 4.2638



41.3128, 21.2891, 2.3131



45.9752, 34.5918, 5.6222



16.5334, 16.4962, 17.2896



20.3382, 10.4787, 1.2235



1.7994, 0.9257, 0.1698

Inverse Universe

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



39.3108, 20.9829, 4.2638



41.3128, 21.2891, 2.3131



28.9149, 30.0829, 92.2775



16.5334, 16.4962, 17.2896



20.3382, 10.4787, 1.2235



1.7994, 0.9257, 0.1698

Previews

White Background



This preview shows how the XYZ color 39.3103, 20.9816, 4.2635 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 39.3103, 20.9816, 4.2635 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 39.3103, 20.9816, 4.2635

Background



This preview shows how black text looks on a background with the XYZ color 39.3103, 20.9816, 4.2635.



This preview shows how white text looks on a background with the XYZ color 39.3103, 20.9816,

4.2635.

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

39.3103, 20.9816, 4.2635

Protanopia

19.3880, 21.1475, 8.2143

Deuteranopia

21.3399, 20.9570, 3.5822



Tritanopia

39.1641, 21.0119, 3.2198

Trichromacy



Original Color

39.3103, 20.9816, 4.2635

Protanomaly

23.1813, 17.5435, 6.1674

Deuteranomaly

25.4376, 18.2698, 3.2843

Tritanomaly

39.2050, 20.9832, 3.5739

Monochromacy



Original Color

39.3103, 20.9816, 4.2635

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.7728, 12.1230, 8.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3103, 20.9816, 4.2635 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(247, 32, 43)` looks like.

```
.text, #text, p{  
    color:rgb(247, 32, 43)  
}
```

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(247, 32, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 32, 43) }
```

Border

The CSS property to change the border of an element to XYZ 39.3103, 20.9816, 4.2635 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(247, 32, 43) }
```


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

```
.border{ border-color:rgb(247, 32, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 32, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 32, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 32, 43);  
box-shadow:4px 4px 4px 4px rgb(247, 32,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3103, 20.9816, 4.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 32, 43) }
```

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

```
.background{ background-color: rgb(247, 32,  
43) }
```

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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