

Converting Colors

XYZ(40.0378, 20.8291, 8.7270)

Have a look what the booklet for
XYZ(40.0378, 20.8291, 8.7270)
contains.

XYZ(39.8952, 20.7617, 8.7422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.8952, 20.7617,
8.7422)**

Conversions

Conversions Part 1

Format	Color
Hex	F7134C
RGB	247, 19, 76
RGB Percent	97%, 7%, 30%
CMY	0.0314, 0.9253, 0.7020
CMYK	0.00, 0.92, 0.69, 0.03
HSL	345°, 93%, 52%
HSV	345°, 92%, 97%
XYZ	39.8952, 20.7617, 8.7422
YIQ	93.6700, 117.5910, 66.0630

Conversions

Conversions Part 2

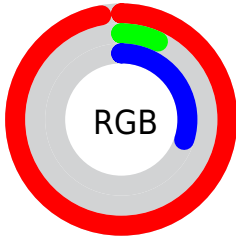
Format	Color
R_{YB}	247, 19, 76
Decimal	16192332
CIE _{Lab}	52.69, 78.30, 32.15
CIE _{LCh}	53, 84.641, 22.321
Yxy	20.7617, 0.5749, 0.2992
Android (android.graphics.Color)	4294382412 (0xFFFF7134C)
YUV	93.6700, -8.7113, 134.4704
Hunter-Lab	45.5650, 76.5499, 20.5200

Details

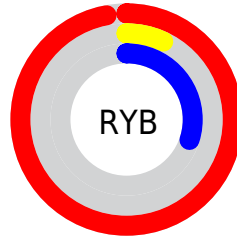
The XYZ color **39.8952, 20.7617, 8.7422** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **42.8286, 70.3795, 60.0653**, and the grayscale version is **10.5670, 11.1173, 12.1067**.

A 20% lighter version of the original color is **49.4988, 31.8550, 22.9418**, and **19.5659, 10.0549, 2.3484** is the 20% darker color. If you saturate the color by 10%, you get **39.2194, 20.1188, 6.3331**, and if you desaturate by 10%, it is **41.2928, 22.3738, 12.8567**.

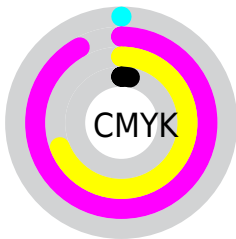
Distribution



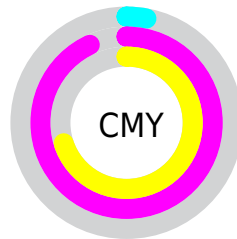
- Red (97%)
- Green (7%)
- Blue (30%)



- Red (97%)
- Yellow (7%)
- Blue (30%)



- Cyan (0%)
- Magenta (92%)
- Yellow (69%)
- Black (3%)





- Cyan (3%)
- Magenta (93%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8952, 20.7617, 8.7422 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 39.8952, 20.7617, 8.7422 by changing the saturation by 10% instead.


 39.8952, 20.7617,
8.7422


 39.8952, 20.7617,
8.7422


336.8237,
256.0093, 191.5896


 27.6407, 12.9499,
4.4789


 74.2893, 44.6906,
23.9709

 18.1941, 7.3941,
1.8916


 97.1595, 61.5765,
35.7733

 11.1899, 3.7098,
0.4874


 124.2991, 82.2559,
50.9259

 6.2630, 1.5126,
0.0000

 156.0733,
107.1132, 69.8471

 3.0478, 0.2975,
0.0000

 192.8475,
136.5328, 92.9556

 1.1791, 0.0000,
0.0000

234.9870,

 0.0898, 0.0000,

170.8991, 120.6698

0.0000

282.8573,
210.5965, 153.4083

■ 0.0000, 0.0000,
0.0000

■ 39.8952, 20.7617,
8.7422

■ 39.8952, 20.7617,
8.7422

■ 39.2194, 20.1188,
6.3331

■ 41.2928, 22.3738,
12.8567

■ 43.4353, 25.1553,
18.2058

■ 46.4208, 29.2821,
24.8866

■ 50.3314, 34.8991,
32.9855

■ 55.2390, 42.1324,
42.5809

61.2082, 51.0948,
53.7453

68.2980, 61.8887,
66.5463

76.5631, 74.6086,
81.0475

86.0543, 89.3425,
97.3089

Harmonies

Analogous

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



41.7068, 20.7617, 29.7213



39.8952, 20.7617, 8.7422



31.9913, 20.7617, 1.8524

Triad

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



39.8952, 20.7617, 8.7422



9.1408, 20.7617, 4.0371



17.5571, 20.7617, 112.6979

Complementary

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



39.8952, 20.7617, 8.7422



42.8286, 70.3795, 60.0653

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.



11.0909, 20.7617, 86.7580



39.8952, 20.7617, 8.7422



7.2640, 20.7617, 16.7278

Square

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



39.8952, 20.7617, 8.7422



13.9783, 20.7617, 0.8768



7.8526, 20.7617, 46.4632



26.8842, 20.7617, 103.6233

Rectangle

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



39.8952, 20.7617, 8.7422



25.3323, 20.7617, 0.7129



7.8526, 20.7617, 46.4632



15.0269, 20.7617, 107.3721

Sweetspot

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



39.8957, 20.7630, 8.7425



68.8921, 59.6128, 63.4059



38.2596, 18.1309, 89.4784



14.0738, 11.7404, 12.3465



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.



39.8957, 20.7630, 8.7425



42.1574, 21.6269, 6.7608



41.0620, 24.9943, 3.2781



16.6690, 16.5504, 18.0033



20.7895, 10.6592, 3.5998



1.8667, 0.9527, 0.5246

Inverse Universe

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



39.8957, 20.7630, 8.7425



42.1574, 21.6269, 6.7608



35.4734, 43.6854, 94.5577



16.6690, 16.5504, 18.0033



20.7895, 10.6592, 3.5998



1.8667, 0.9527, 0.5246

Previews

White Background



This preview shows how the XYZ color 39.8952, 20.7617, 8.7422 looks on a white background.

Color Contrast Check

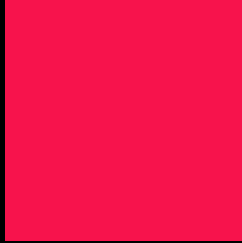
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8952, 20.7617, 8.7422 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 39.8952, 20.7617, 8.7422

Background



This preview shows how black text looks on a background with the XYZ color 39.8952, 20.7617, 8.7422.



This preview shows how white text looks on a background with the XYZ color 39.8952, 20.7617,

8.7422.

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

39.8952, 20.7617, 8.7422

Protanopia

19.9012, 20.9971, 18.3332

Deuteranopia

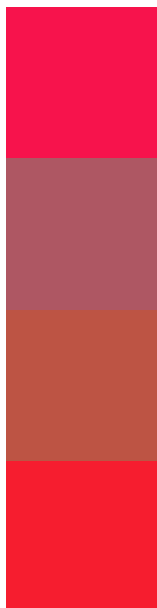
21.4731, 21.1128, 7.7939



Tritanopia

38.8544, 20.8938, 3.2814

Trichromacy



Original Color

39.8952, 20.7617, 8.7422

Protanomaly

23.1159, 16.7159, 13.8125

Deuteranomaly

25.2000, 17.5768, 7.5333

Tritanomaly

38.9585, 20.6768, 4.6270

Monochromacy



Original Color

39.8952, 20.7617, 8.7422

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

16.3051, 11.1865, 10.3167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8952, 20.7617, 8.7422 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, 19, 76)` looks like.

```
.text, #text, p{  
    color:rgb(247, 19, 76)  
}
```

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, 19, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 19, 76) }
```

Border

The CSS property to change the border of an element to XYZ 39.8952, 20.7617, 8.7422 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, 19, 76) }
```


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

```
.border{ border-color:rgb(247, 19, 76) }
```

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

Here you see how a box with a 4 pixel rgb(247, 19, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 19, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 19, 76);  
box-shadow:4px 4px 4px 4px rgb(247, 19,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8952, 20.7617, 8.7422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 19, 76) }
```

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

```
.background{ background-color: rgb(247, 19,  
76) }
```

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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