

Converting Colors

XYZ(39.7317, 20.4428, 3.6507)

Have a look what the booklet for
XYZ(39.7317, 20.4428, 3.6507)
contains.

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Color

**XYZ(39.7742, 20.4639,
3.6873)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0026
RGB	250, 0, 38
RGB Percent	98%, 0%, 15%
CMY	0.0196, 0.9997, 0.8510
CMYK	0.00, 1.00, 0.85, 0.02
HSL	351°, 100%, 49%
HSV	351°, 100%, 98%
XYZ	39.7742, 20.4639, 3.6873
YIQ	79.0820, 136.8020, 64.8180

Conversions

Conversions Part 2

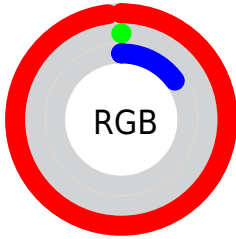
Format	Color
RYB	250, 0, 38
Decimal	16384038
CIELab	52.36, 79.34, 53.15
CIELCh	52, 95.501, 33.818
Yxy	20.4639, 0.6222, 0.3201
Android (android.graphics.Color)	4294574118 (0xFFFA0026)
YUV	79.0820, -20.2534, 149.8951
Hunter-Lab	45.2370, 77.7794, 26.8332

Details

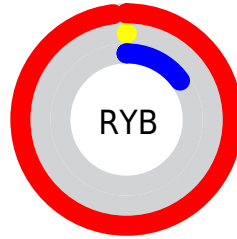
The XYZ color **39.7742, 20.4639, 3.6873** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.0780, 73.1279, 74.0164**, and the grayscale version is **7.4737, 7.8629, 8.5627**.

A 20% lighter version of the original color is **47.0626, 30.2816, 11.9588**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.7730, 20.4634, 3.6826**, and if you desaturate by 10%, it is **40.5679, 21.3398, 6.1465**.

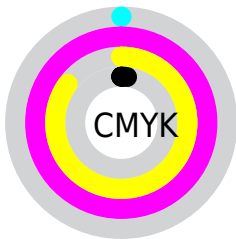
Distribution



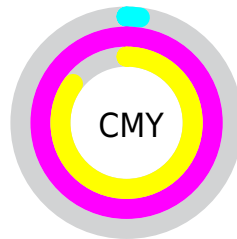
- Red (98%)
- Green (0%)
- Blue (15%)



- Red (98%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7742, 20.4639, 3.6873 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 39.7742, 20.4639, 3.6873 by changing the saturation by 10% instead.

 39.7742, 20.4639,
3.6873


 39.7742, 20.4639,
3.6873


336.3217,
254.4155, 144.6836


 27.5460, 12.7327,
1.4554


 74.1061, 44.1936,
13.2819

 18.1224, 7.2447,
0.1844


 96.9404, 60.9609,
21.4817


 11.1381, 3.6156,
0.0000


 124.0409, 81.5090,
32.5079

 6.2278, 1.4610,
0.0000

 155.7727,
106.2223, 46.7790

 3.0260, 0.2610,
0.0000

 192.5014,
135.4852, 64.7136


 1.1676, 0.0000,
0.0000

 234.5922,


 0.0805, 0.0000,

169.6821, 86.7302


0.0000


 282.4105,
209.1974, 113.2474


 0.0000, 0.0000,
0.0000


 39.7742, 20.4639,
3.6873


 39.7742, 20.4639,
3.6873


 39.7730, 20.4634,
3.6826

 40.5679, 21.3398,
6.1465

 42.0307, 23.1959,
9.9313

 44.3239, 26.3166,
15.2144

 47.5515, 30.8763,
22.1340

 51.8021, 37.0220,
30.8123

■ 57.1535, 44.8824,
41.3594

■ 63.6763, 54.5729,
53.8766

■ 71.4347, 66.1990,
68.4577

■ 80.4886, 79.8580,
85.1904

Harmonies

Analogous

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



45.0819, 20.4639, 18.8659



39.7742, 20.4639, 3.6873



29.0453, 20.4639, 0.3195

Triad

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



39.7742, 20.4639, 3.6873



6.9360, 20.4639, 5.9091



20.7371, 20.4639, 131.7975

Complementary

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



39.7742, 20.4639, 3.6873



46.0780, 73.1279, 74.0164

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.



12.2421, 20.4639, 114.8021



39.7742, 20.4639, 3.6873



6.0245, 20.4639, 26.0867

Square

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



39.7742, 20.4639, 3.6873



10.7089, 20.4639, 0.7641



7.5888, 20.4639, 68.0667



31.9894, 20.4639, 104.3750

Rectangle

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



39.7742, 20.4639, 3.6873



21.5588, 20.4639, 0.0000



7.5888, 20.4639, 68.0667



17.4840, 20.4639, 131.1616

Sweetspot

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



39.7746, 20.4652, 3.6876



66.5665, 57.0227, 56.2770



43.3651, 20.3633, 92.0868



13.5993, 11.2390, 10.8086



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.



39.7746, 20.4652, 3.6876



41.6013, 21.4045, 3.8327



42.5466, 26.5683, 2.8876



17.3520, 17.2681, 18.4432



21.1293, 10.8674, 2.1232



1.9877, 1.0188, 0.3586

Inverse Universe

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



39.7746, 20.4652, 3.6876



41.6013, 21.4045, 3.8327



31.0176, 34.4257, 95.4519



17.3520, 17.2681, 18.4432



21.1293, 10.8674, 2.1232



1.9877, 1.0188, 0.3586

Previews

White Background



This preview shows how the XYZ color 39.7742, 20.4639, 3.6873 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



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 39.7742, 20.4639, 3.6873

Background



This preview shows how black text looks on a background with the XYZ color 39.7742, 20.4639, 3.6873.



This preview shows how white text looks on a background with the XYZ color 39.7742, 20.4639,

3.6873.

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

39.7742, 20.4639, 3.6873

Protanopia

19.2741, 21.1020, 7.6147

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

39.3733, 20.7525, 1.9304

Trichromacy



Original Color

39.7742, 20.4639, 3.6873



Protanomaly

22.4074, 15.8452, 5.2456



Deuteranomaly

24.6560, 16.5380, 2.3081



Tritanomaly

39.3170, 20.5131, 2.3026

Monochromacy



Original Color

39.7742, 20.4639, 3.6873



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

13.0505, 8.3141, 5.7674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7742, 20.4639, 3.6873 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(250, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 38)  
}
```

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(250, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 39.7742, 20.4639, 3.6873 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(250, 0, 38) }
```


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

```
.border{ border-color:rgb(250, 0, 38) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.7742, 20.4639, 3.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 38) }
```

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

```
.background{ background-color: rgb(250, 0,  
38) }
```

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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