

Converting Colors

XYZ(39.4275, 20.3211, 2.0487)

Have a look what the booklet for
XYZ(39.4275, 20.3211, 2.0487)
contains.

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Color

**XYZ(39.4627, 20.3393,
2.0470)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0007
RGB	250, 0, 7
RGB Percent	98%, 0%, 3%
CMY	0.0196, 0.9997, 0.9725
CMYK	0.00, 1.00, 0.97, 0.02
HSL	358°, 100%, 49%
HSV	358°, 100%, 98%
XYZ	39.4627, 20.3393, 2.0470
YIQ	75.5480, 146.7530, 55.1770

Conversions

Conversions Part 2

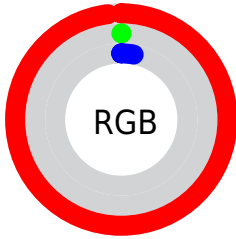
Format	Color
R_{YB}	250, 0, 7
Decimal	16384007
CIE Lab	52.22, 78.96, 64.44
CIE LCh	52, 101.919, 39.216
Yxy	20.3393, 0.6380, 0.3289
Android (android.graphics.Color)	4294574087 (0xFFFA0007)
YUV	75.5480, -33.7942, 152.9944
Hunter-Lab	45.0991, 77.2679, 28.8783

Details

The XYZ color **39.4627, 20.3393, 2.0470** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **50.3733, 74.8460, 96.6356**, and the grayscale version is **6.8345, 7.1904, 7.8304**.

A 20% lighter version of the original color is **46.2017, 29.7922, 7.8728**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.4621, 20.3390, 2.0452**, and if you desaturate by 10%, it is **40.0245, 21.1225, 3.2852**.

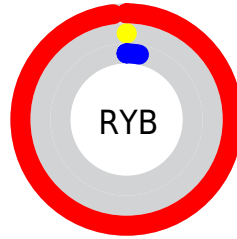
Distribution



Red (98%)

Green (0%)

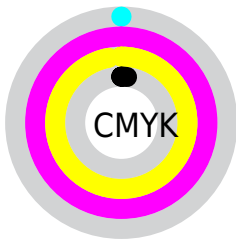
Blue (3%)



Red (98%)

Yellow (0%)

Blue (3%)

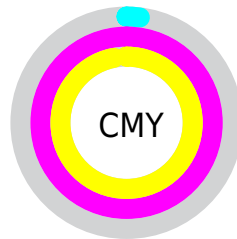


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4627, 20.3393, 2.0470 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 39.4627, 20.3393, 2.0470 by changing the saturation by 10% instead.


 39.4627, 20.3393,
2.0470


 39.4627, 20.3393,
2.0470


335.0271,
253.7461, 123.1024


 27.3022, 12.6419,
0.5840


 73.6342, 43.9853,
9.1689

 17.9381, 7.1824,
0.0000


 96.3759, 60.7027,
15.7126


 11.0050, 3.5765,
0.0000


 123.3754, 81.1956,
24.8030

 6.1375, 1.4396,
0.0000

 154.9980,
105.8484, 36.8584

 2.9703, 0.2456,
0.0000

 191.6092,
135.0454, 52.2976


 1.1381, 0.0000,
0.0000

 233.5741,

 0.0566, 0.0000,

169.1711, 71.5389


0.0000


 281.2583,
208.6099, 95.0010


 0.0000, 0.0000,
0.0000


 39.4627, 20.3393,
2.0470


 39.4627, 20.3393,
2.0470

 39.4621, 20.3390,
2.0452

 40.0245, 21.1225,
3.2852

 41.2719, 22.8924,
5.9355

 43.3896, 25.9429,
10.2946

 46.4977, 30.4549,
16.5848

 50.6974, 36.5802,
24.9950

■ 56.0773, 44.4520,
35.6917

■ 62.7170, 54.1893,
48.8248

■ 70.6892, 65.9009,
64.5313

■ 80.0610, 79.6872,
82.9384

Harmonies

Analogous

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



46.7371, 20.3393, 14.1459



39.4627, 20.3393, 2.0470



27.3781, 20.3393, 0.0000

Triad

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



39.4627, 20.3393, 2.0470



5.9705, 20.3393, 7.3553



22.7335, 20.3393, 141.4371

Complementary

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



39.4627, 20.3393, 2.0470



50.3733, 74.8460, 96.6356

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.



13.0403, 20.3393, 131.3496



39.4627, 20.3393, 2.0470



5.5041, 20.3393, 32.7055

Square

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



39.4627, 20.3393, 2.0470



9.2042, 20.3393, 0.7739



7.5657, 20.3393, 82.1278



35.0299, 20.3393, 103.3947

Rectangle

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



39.4627, 20.3393, 2.0470



19.6081, 20.3393, 0.0000



7.5657, 20.3393, 82.1278



19.0583, 20.3393, 143.9921

Sweetspot

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



39.4631, 20.3406, 2.0473



65.5619, 56.6209, 50.9870



53.7600, 25.7221, 92.5732



13.3707, 11.1475, 9.6051



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.



39.4631, 20.3406, 2.0473



41.2788, 21.2755, 2.1342



45.7510, 32.9771, 3.9558



17.2641, 17.2330, 17.9807



20.9406, 10.7920, 1.1297



1.9461, 1.0022, 0.1396

Inverse Universe

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



39.4631, 20.3406, 2.0473



41.2788, 21.2755, 2.1342



25.6934, 23.7773, 93.6771



17.2641, 17.2330, 17.9807



20.9406, 10.7920, 1.1297



1.9461, 1.0022, 0.1396

Previews

White Background



This preview shows how the XYZ color 39.4627, 20.3393, 2.0470 looks on a white background.

Color Contrast Check

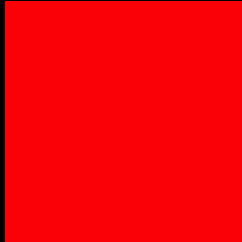
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4627, 20.3393, 2.0470 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 39.4627, 20.3393, 2.0470

Background



This preview shows how black text looks on a background with the XYZ color 39.4627, 20.3393, 2.0470.



This preview shows how white text looks on a background with the XYZ color 39.4627, 20.3393,

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

39.4627, 20.3393, 2.0470

Protanopia

18.8907, 20.7823, 4.4546

Deuteranopia

21.0145, 20.8039, 2.9080



Tritanopia

39.0178, 20.5693, 1.9138

Trichromacy



Original Color

39.4627, 20.3393, 2.0470

Protanomaly

22.0896, 15.6270, 2.7162

Deuteranomaly

24.3391, 16.3819, 1.9654

Tritanomaly

39.2542, 20.4880, 1.9718

Monochromacy



Original Color

39.4627, 20.3393, 2.0470

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.3020, 7.8419, 3.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4627, 20.3393, 2.0470 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 39.4627, 20.3393, 2.0470 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, 7) }
```


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

```
.border{ border-color:rgb(250, 0, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(250, 0, 7); box-shadow:4px  
4px 4px 4px rgb(250, 0, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4627, 20.3393, 2.0470 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, 7) }
```

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

```
.background{ background-color: rgb(250, 0,  
7) }
```

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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