

Converting Colors

XYZ(39.6095, 20.2891, 7.7417)

Have a look what the booklet for
XYZ(39.6095, 20.2891, 7.7417)
contains.

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Color

**XYZ(39.4951, 20.2291,
7.7842)**

Conversions

Conversions Part 1

Format	Color
Hex	F70047
RGB	247, 0, 71
RGB Percent	97%, 0%, 28%
CMY	0.0314, 0.9997, 0.7216
CMYK	0.00, 1.00, 0.71, 0.03
HSL	343°, 100%, 48%
HSV	343°, 100%, 97%
XYZ	39.4951, 20.2291, 7.7842
YIQ	81.9470, 124.4210, 74.4450

Conversions

Conversions Part 2

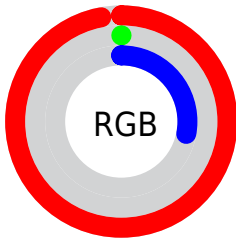
Format	Color
R_{YB}	247, 0, 71
Decimal	16187463
CIE Lab	52.10, 79.60, 34.40
CIE LCh	52, 86.712, 23.372
Yxy	20.2291, 0.5850, 0.2997
Android (android.graphics.Color)	4294377543 (0xFFFF70047)
YUV	81.9470, -5.3969, 144.7515
Hunter-Lab	44.9768, 78.0355, 21.2223

Details

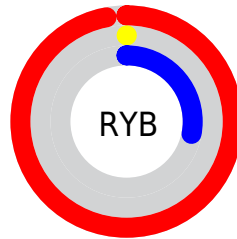
The XYZ color **39.4951, 20.2291, 7.7842** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.1042, 69.6586, 52.3868**, and the grayscale version is **8.0096, 8.4268, 9.1767**.

A 20% lighter version of the original color is **48.7526, 30.9577, 20.8586**, and **19.2657, 9.9076, 1.9956** is the 20% darker color. If you saturate the color by 10%, you get **39.4933, 20.2284, 7.7764**, and if you desaturate by 10%, it is **40.4868, 21.1739, 11.3175**.

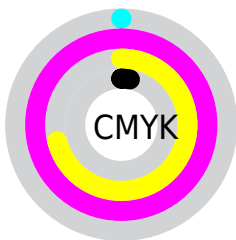
Distribution



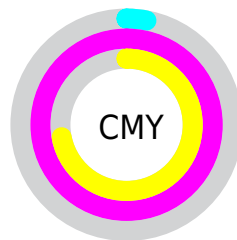
- Red (97%)
- Green (0%)
- Blue (28%)



- Red (97%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4951, 20.2291, 7.7842 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 39.4951, 20.2291, 7.7842 by changing the saturation by 10% instead.


 39.4951, 20.2291,
7.7842


 39.4951, 20.2291,
7.7842


335.1619,
253.1527, 183.9004


 27.3276, 12.5617,
3.8714


 73.6833, 43.8010,
22.0734

 17.9572, 7.1274,
1.5551


 96.4347, 60.4742,
33.2869


 11.0188, 3.5419,
0.2584


 123.4447, 80.9181,
47.7711

 6.1469, 1.4208,
0.0000

 155.0787,
105.5172, 65.9444

 2.9761, 0.2320,
0.0000

 191.7021,
134.6558, 88.2255

 1.1411, 0.0000,
0.0000

 233.6802,

 0.0591, 0.0000,

168.7183, 115.0328

0.0000

281.3783,
208.0892, 146.7849

■ 0.0000, 0.0000,
0.0000

■ 39.4951, 20.2291,
7.7842

■ 39.4951, 20.2291,
7.7842

■ 39.4933, 20.2284,
7.7764

■ 40.4868, 21.1739,
11.3175

■ 42.0878, 23.0547,
15.9246

■ 44.4437, 26.1442,
21.7110

■ 47.6455, 30.6077,
28.7596

■ 51.7708, 36.5846,
37.1443

■ 56.8878, 44.1966,
46.9331

■ 63.0581, 53.5532,
58.1891

■ 70.3382, 64.7544,
70.9711

■ 78.7804, 77.8924,
85.3348

Harmonies

Analogous

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



41.6070, 20.2291, 28.1529



39.4951, 20.2291, 7.7842



31.2911, 20.2291, 1.4880

Triad

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



39.4951, 20.2291, 7.7842



8.5376, 20.2291, 3.8548



17.3266, 20.2291, 114.7644

Complementary

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



39.4951, 20.2291, 7.7842



41.1042, 69.6586, 52.3868

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.



10.7471, 20.2291, 88.9928



39.4951, 20.2291, 7.7842



6.7817, 20.2291, 16.8596

Square

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



39.4951, 20.2291, 7.7842



13.2284, 20.2291, 0.7147



7.4433, 20.2291, 47.6126



26.8104, 20.2291, 104.0608

Rectangle

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



39.4951, 20.2291, 7.7842



24.5273, 20.2291, 0.4708



7.4433, 20.2291, 47.6126



14.7515, 20.2291, 109.6879

Sweetspot

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



39.4956, 20.2304, 7.7845



67.7411, 57.4925, 62.4623



34.0048, 15.5918, 89.2123



13.8701, 11.3473, 12.2346



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.



39.4956, 20.2304, 7.7845



42.4510, 21.7444, 8.3069



39.4752, 22.0088, 2.1694



16.6949, 16.5608, 18.1397



20.9397, 10.7193, 4.3910



1.8829, 0.9591, 0.6100

Inverse Universe

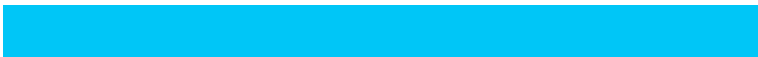
The Inverse Universe completely reimagines the original color for something new.



39.4956, 20.2304, 7.7845



42.4510, 21.7444, 8.3069



36.8948, 46.9270, 95.1083



16.6949, 16.5608, 18.1397



20.9397, 10.7193, 4.3910



1.8829, 0.9591, 0.6100

Previews

White Background



This preview shows how the XYZ color 39.4951, 20.2291, 7.7842 looks on a white background.

Color Contrast Check

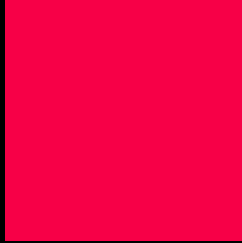
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4951, 20.2291, 7.7842 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 39.4951, 20.2291, 7.7842

Background



This preview shows how black text looks on a background with the XYZ color 39.4951, 20.2291, 7.7842.



This preview shows how white text looks on a background with the XYZ color 39.4951, 20.2291,

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

39.4951, 20.2291, 7.7842

Protanopia

19.6080, 20.6944, 16.5966

Deuteranopia

21.0235, 20.7173, 7.0284



Tritanopia

38.5902, 20.5295, 2.6877

Trichromacy



Original Color

39.4951, 20.2291, 7.7842



Protanomaly

22.3000, 15.5263, 12.1775



Deuteranomaly

24.2207, 16.2191, 6.5567



Tritanomaly

38.6053, 20.1786, 3.8676

Monochromacy



Original Color

39.4951, 20.2291, 7.7842



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.7585, 8.7568, 8.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4951, 20.2291, 7.7842 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, 0, 71)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 71)  
}
```

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, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 39.4951, 20.2291, 7.7842 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, 0, 71) }
```


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

```
.border{ border-color:rgb(247, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.4951, 20.2291, 7.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 71) }
```

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

```
.background{ background-color: rgb(247, 0,  
71) }
```

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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