

Converting Colors

XYZ(39.9278, 21.0947, 2.9155)

Have a look what the booklet for
XYZ(39.9278, 21.0947, 2.9155)
contains.

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Color

**XYZ(39.9802, 21.1374,
2.9500)**

Conversions

Conversions Part 1

Format	Color
Hex	FA1A1A
RGB	250, 26, 26
RGB Percent	98%, 10%, 10%
CMY	0.0196, 0.8979, 0.8980
CMYK	0.00, 0.90, 0.90, 0.02
HSL	0°, 96%, 54%
HSV	0°, 90%, 98%
XYZ	39.9802, 21.1374, 2.9500
YIQ	92.9760, 133.5040, 47.4880

Conversions

Conversions Part 2

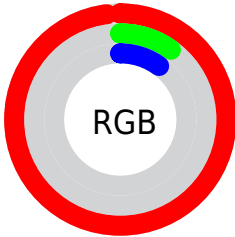
Format	Color
R _Y B	250, 26, 26
Decimal	16390682
CIE Lab	53.10, 76.79, 59.07
CIE LCh	53, 96.880, 37.568
Yxy	21.1374, 0.6240, 0.3299
Android (android.graphics.Color)	4294580762 (0xFFFA1A1A)
YUV	92.9760, -33.0192, 137.7100
Hunter-Lab	45.9754, 74.7665, 28.3785

Details

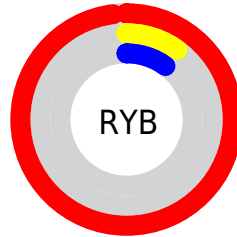
The XYZ color **39.9802, 21.1374, 2.9500** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **51.8559, 75.4710, 102.2760**, and the grayscale version is **10.4558, 11.0003, 11.9794**.

A 20% lighter version of the original color is **47.2614, 31.2707, 10.2015**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.4408, 20.3486, 1.8776**, and if you desaturate by 10%, it is **41.2068, 22.9332, 5.3867**.

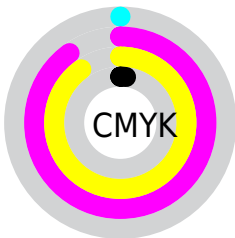
Distribution



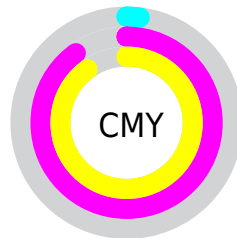
- Red (98%)
- Green (10%)
- Blue (10%)



- Red (98%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (90%)
- Yellow (90%)
- Black (2%)





- Cyan (2%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9802, 21.1374, 2.9500 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 39.9802, 21.1374, 2.9500 by changing the saturation by 10% instead.


 39.9802, 21.1374,
2.9500


 39.9802, 21.1374,
2.9500


337.1760,
258.0078, 135.7212


 27.7072, 13.2245,
1.0692

 74.4179, 45.3161,
11.5048

 18.2444, 7.5833,
0.0000


 97.3133, 62.3507,
19.0159

 11.2264, 3.8295,
0.0000


 124.4803, 83.1945,
29.2407

 6.2877, 1.5786,
0.0000

 156.2842,
108.2322, 42.5979

 3.0631, 0.3431,
0.0000

 193.0904,
137.8479, 59.5061


 1.1872, 0.0000,
0.0000

 235.2642,


 0.0963, 0.0000,


172.4262, 80.3836


0.0000


 283.1709,
212.3513, 105.6492


 0.0000, 0.0000,
0.0000


 39.9802, 21.1374,
2.9500


 39.9802, 21.1374,
2.9500

 39.4408, 20.3486,
1.8776


 41.2068, 22.9332,
5.3867

 39.4244, 20.3247,
1.8452

 43.3148, 26.0182,
9.5766

 46.4289, 30.5753,
15.7665

 50.6532, 36.7568,
24.1638

 56.0790, 44.6963,
34.9498

■ 62.7881, 54.5135,
48.2872

■ 70.8550, 66.3176,
64.3244

■ 80.3488, 80.2094,
83.1985

■ 91.3336, 96.2830,
105.0373

Harmonies

Analogous

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



46.4639, 21.1374, 16.3840



39.9802, 21.1374, 2.9500



28.5382, 21.1374, 0.1399

Triad

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



39.9802, 21.1374, 2.9500



6.8716, 21.1374, 7.5509



22.7847, 21.1374, 135.5919

Complementary

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



39.9802, 21.1374, 2.9500



51.8559, 75.4710, 102.2760

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.



13.4998, 21.1374, 123.6953



39.9802, 21.1374, 2.9500



6.2494, 21.1374, 31.2300

Square

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



39.9802, 21.1374, 2.9500



10.3513, 21.1374, 1.0336



8.2133, 21.1374, 77.0250



34.5707, 21.1374, 102.3651

Rectangle

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



39.9802, 21.1374, 2.9500



20.9338, 21.1374, 0.0000



8.2133, 21.1374, 77.0250



19.2701, 21.1374, 137.0274

Sweetspot

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



39.9806, 21.1387, 2.9503



67.7116, 59.9971, 54.5498



57.0486, 27.9647, 92.8327



13.9196, 12.0027, 10.5358



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.



39.9806, 21.1387, 2.9503



41.2404, 21.2608, 1.9301



48.6989, 38.5753, 5.8564



17.2449, 17.2257, 17.8784



20.9122, 10.7811, 0.9788



1.9369, 0.9987, 0.0907

Inverse Universe

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



51.8559, 75.4710, 102.2760



53.7975, 78.7151, 106.9658



26.7696, 25.2986, 93.9139



17.7657, 19.6081, 22.2337



27.2797, 39.9150, 54.2401



2.5266, 3.6970, 5.0236

Previews

White Background



This preview shows how the XYZ color 39.9802, 21.1374, 2.9500 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 39.9802, 21.1374, 2.9500 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 39.9802, 21.1374, 2.9500

Background



This preview shows how black text looks on a background with the XYZ color 39.9802, 21.1374, 2.9500.



This preview shows how white text looks on a background with the XYZ color 39.9802, 21.1374,

2.9500.

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

39.9802, 21.1374, 2.9500

Protanopia

19.3876, 21.3944, 5.7970

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

39.9338, 21.1549, 2.5946

Trichromacy



Original Color

39.9802, 21.1374, 2.9500

Protanomaly

23.1633, 17.4524, 4.0673

Deuteranomaly

25.3694, 18.0128, 2.3981

Tritanomaly

39.9611, 21.1658, 2.7383

Monochromacy



Original Color

39.9802, 21.1374, 2.9500

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.7800, 11.1699, 6.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9802, 21.1374, 2.9500 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, 26, 26)` looks like.

```
.text, #text, p{  
    color:rgb(250, 26, 26)  
}
```

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, 26, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 26, 26) }
```

Border

The CSS property to change the border of an element to XYZ 39.9802, 21.1374, 2.9500 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, 26, 26) }
```


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

```
.border{ border-color:rgb(250, 26, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 26, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 26, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 26, 26);  
box-shadow:4px 4px 4px 4px rgb(250, 26,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9802, 21.1374, 2.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 26, 26) }
```

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

```
.background{ background-color: rgb(250, 26,  
26) }
```

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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