

Converting Colors

XYZ(39.7374, 21.0029, 1.9614)

Have a look what the booklet for
XYZ(39.7374, 21.0029, 1.9614)
contains.

XYZ(39.7720, 21.0193, 1.9609)	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(39.7720, 21.0193,
1.9609)**

Conversions

Conversions Part 1

Format	Color
Hex	FA1900
RGB	250, 25, 0
RGB Percent	98%, 10%, 0%
CMY	0.0196, 0.9018, 1.0000
CMYK	0.00, 0.90, 1.00, 0.02
HSL	6°, 100%, 49%
HSV	6°, 100%, 98%
XYZ	39.7720, 21.0193, 1.9609
YIQ	89.4250, 142.1250, 39.9250

Conversions

Conversions Part 2

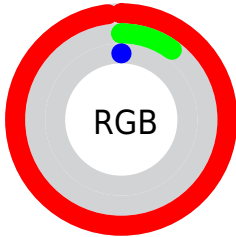
Format	Color
RYB	250, 28, 0
Decimal	16390400
CIELab	52.97, 76.69, 66.49
CIElCh	53, 101.504, 40.924
Yxy	21.0193, 0.6338, 0.3350
Android (android.graphics.Color)	4294580480 (0xFFFA1900)
YUV	89.4250, -44.0865, 140.8243
Hunter-Lab	45.8468, 74.6164, 29.5569

Details

The XYZ color **39.7720, 21.0193, 1.9609** 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 **44.1707, 60.7331, 99.8364**, and the grayscale version is **9.6669, 10.1703, 11.0755**.

A 20% lighter version of the original color is **46.7808, 31.0785, 7.6708**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.7724, 21.0206, 1.9611**, and if you desaturate by 10%, it is **40.6374, 22.4699, 3.1151**.

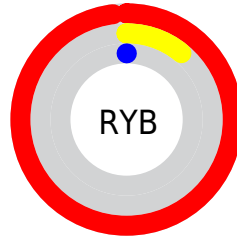
Distribution



Red (98%)

Green (10%)

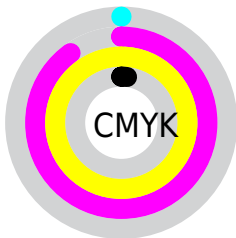
Blue (0%)



Red (98%)

Yellow (11%)

Blue (0%)

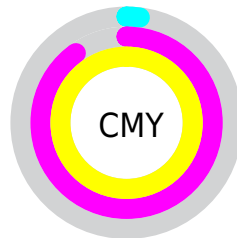


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7720, 21.0193, 1.9609 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 39.7720, 21.0193, 1.9609 by changing the saturation by 10% instead.


 39.7720, 21.0193,
1.9609


 39.7720, 21.0193,
1.9609


 336.3126,
257.3810, 121.7666


 27.5442, 13.1381,
0.5311


 74.1027, 45.1197,
8.9336


 18.1211, 7.5237,
0.0000


 96.9364, 62.1076,
15.3752

 11.1372, 3.7917,
0.0000


 124.0362, 82.8999,
24.3451

 6.2271, 1.5578,
0.0000


 155.7673,
107.8810, 36.2617

 3.0257, 0.3289,
0.0000

 192.4951,
137.4353, 51.5436


 1.1673, 0.0000,
0.0000

 234.5850,


 0.0804, 0.0000,


171.9471, 70.6094


0.0000


 282.4024,
211.8009, 93.8776


 0.0000, 0.0000,
0.0000


 39.7720, 21.0193,
1.9609

 39.7720, 21.0193,
1.9609


 39.7724, 21.0206,
1.9611

 40.6374, 22.4699,
3.1151

 42.1917, 24.9381,
5.6075

 44.5669, 28.5775,
9.8238

 47.8575, 33.5104,
16.0026

 52.1452, 39.8435,
24.3445

■ 57.5024, 47.6725,
35.0254

■ 63.9947, 57.0846,
48.2032

■ 71.6825, 68.1601,
64.0220

■ 80.6218, 80.9742,
82.6148

Harmonies

Analogous

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



47.5599, 21.0193, 13.4797



39.7720, 21.0193, 1.9609



27.4402, 21.0193, 0.0000

Triad

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



39.7720, 21.0193, 1.9609



6.2077, 21.0193, 8.5791



24.1126, 21.0193, 142.1338

Complementary

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



39.7720, 21.0193, 1.9609



44.1707, 60.7331, 99.8364

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.



14.0088, 21.0193, 134.9723



39.7720, 21.0193, 1.9609



5.8687, 21.0193, 35.8864

Square

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



39.7720, 21.0193, 1.9609



9.3479, 21.0193, 1.0244



8.1621, 21.0193, 86.7443



36.6048, 21.0193, 101.8675

Rectangle

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



39.7720, 21.0193, 1.9609



19.6500, 21.0193, 0.0000



8.1621, 21.0193, 86.7443



20.3101, 21.0193, 145.7261

Sweetspot

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



39.7724, 21.0206, 1.9612



66.9190, 59.6801, 50.3756



53.0146, 25.7601, 73.4117



13.6784, 11.8406, 9.4676



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.



39.7724, 21.0206, 1.9612



41.5992, 21.9784, 2.0497



50.3304, 42.1365, 5.4805



17.3844, 17.5047, 17.9249



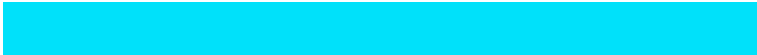
21.1430, 11.2427, 1.0557



2.0033, 1.1315, 0.1128

Inverse Universe

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



44.1707, 60.7331, 99.8364



46.1979, 63.5157, 104.4326



21.8124, 16.0165, 92.3836



17.6086, 19.2940, 22.1813



23.4907, 32.3369, 52.9771



2.2173, 3.0782, 4.9205

Previews

White Background



This preview shows how the XYZ color 39.7720, 21.0193, 1.9609 looks on a white background.

Color Contrast Check

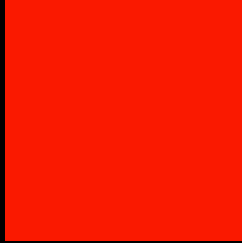
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7720, 21.0193, 1.9609 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 39.7720, 21.0193, 1.9609

Background



This preview shows how black text looks on a background with the XYZ color 39.7720, 21.0193, 1.9609.



This preview shows how white text looks on a background with the XYZ color 39.7720, 21.0193,

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

39.7720, 21.0193, 1.9609

Protanopia

19.3076, 21.3823, 4.4761

Deuteranopia

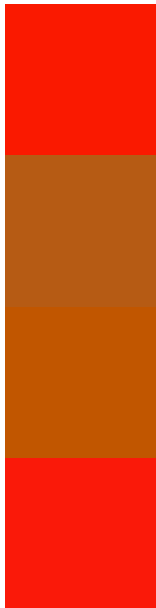
21.3346, 21.1483, 2.9576



Tritanopia

39.8512, 21.0510, 2.3783

Trichromacy



Original Color

39.7720, 21.0193, 1.9609

Protanomaly

23.1588, 17.4778, 2.8148

Deuteranomaly

25.3201, 17.9930, 2.1385

Tritanomaly

39.8213, 21.0390, 2.2206

Monochromacy



Original Color

39.7720, 21.0193, 1.9609

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

14.8995, 10.4877, 5.1099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7720, 21.0193, 1.9609 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 25, 0)  
}
```

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, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 25, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.7720, 21.0193, 1.9609 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, 25, 0) }
```


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

```
.border{ border-color:rgb(250, 25, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 25, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.7720, 21.0193, 1.9609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 25, 0) }
```

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

```
.background{ background-color: rgb(250, 25,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor