

Converting Colors

XYZ(39.6497, 20.8279, 1.9304)

Have a look what the booklet for
XYZ(39.6497, 20.8279, 1.9304)
contains.

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Color

**XYZ(39.6925, 20.8603,
1.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	FA1500
RGB	250, 21, 0
RGB Percent	98%, 8%, 0%
CMY	0.0196, 0.9175, 1.0000
CMYK	0.00, 0.92, 1.00, 0.02
HSL	5°, 100%, 49%
HSV	5°, 100%, 98%
XYZ	39.6925, 20.8603, 1.9344
YIQ	87.0770, 143.2250, 42.0170

Conversions

Conversions Part 2

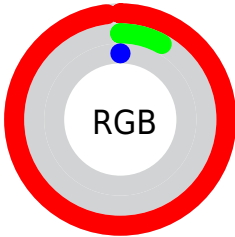
Format	Color
RYB	250, 23, 0
Decimal	16389376
CIELab	52.80, 77.20, 66.43
CIELCh	53, 101.842, 40.712
Yxy	20.8603, 0.6352, 0.3338
Android (android.graphics.Color)	4294579456 (0xFFFA1500)
YUV	87.0770, -42.9290, 142.8835
Hunter-Lab	45.6731, 75.1988, 29.4600

Details

The XYZ color **39.6925, 20.8603, 1.9344** 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 **45.2635, 62.9186, 100.2006**, and the grayscale version is **9.1482, 9.6246, 10.4812**.

A 20% lighter version of the original color is **46.5866, 30.6901, 7.6061**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.6929, 20.8616, 1.9346**, and if you desaturate by 10%, it is **40.4978, 22.1906, 3.0685**.

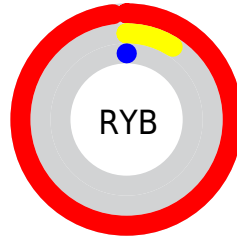
Distribution



Red (98%)

Green (8%)

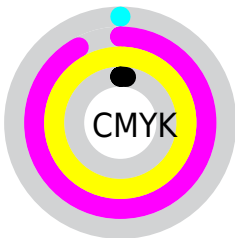
Blue (0%)



Red (98%)

Yellow (9%)

Blue (0%)

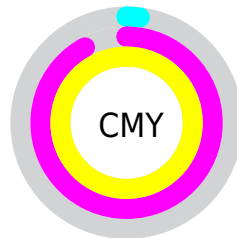


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6925, 20.8603, 1.9344 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 39.6925, 20.8603, 1.9344 by changing the saturation by 10% instead.


 39.6925, 20.8603,
1.9344


 39.6925, 20.8603,
1.9344


 335.9825,
256.5351, 121.3497

 27.4820, 13.0219,
0.5145


 73.9824, 44.8549,
8.8607

 18.0740, 7.4436,
0.0000


 96.7924, 61.7800,
15.2704


 11.1032, 3.7411,
0.0000


 123.8664, 82.5027,
24.2026

 6.2041, 1.5298,
0.0000

 155.5697,
107.4074, 36.0759

 3.0114, 0.3096,
0.0000

 192.2676,
136.8787, 51.3087


 1.1598, 0.0000,
0.0000

 234.3254,


 0.0743, 0.0000,


171.3008, 70.3195


0.0000


 282.1086,
211.0581, 93.5270


 0.0000, 0.0000,
0.0000


 39.6925, 20.8603,
1.9344


 39.6925, 20.8603,
1.9344


 39.6929, 20.8616,
1.9346

 40.4978, 22.1906,
3.0685

 41.9970, 24.5485,
5.5426

 44.3273, 28.0984,
9.7440

 47.5876, 32.9705,
15.9126

 51.8625, 39.2780,
24.2502

■ 57.2270, 47.1218,
34.9336

■ 63.7493, 56.5938,
48.1214

■ 71.4918, 67.7787,
63.9584

■ 80.5122, 80.7552,
82.5782

Harmonies

Analogous

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



47.4348, 20.8603, 13.4819



39.6925, 20.8603, 1.9344



27.3693, 20.8603, 0.0000

Triad

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



39.6925, 20.8603, 1.9344



6.1204, 20.8603, 8.3509



23.8718, 20.8603, 142.3340

Complementary

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



39.6925, 20.8603, 1.9344



45.2635, 62.9186, 100.2006

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.



13.8159, 20.8603, 134.7756



39.6925, 20.8603, 1.9344



5.7664, 20.8603, 35.4158

Square

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



39.6925, 20.8603, 1.9344



9.2645, 20.8603, 0.9670



8.0238, 20.8603, 86.2344



36.3594, 20.8603, 102.1827

Rectangle

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



39.6925, 20.8603, 1.9344



19.5743, 20.8603, 0.0000



8.0238, 20.8603, 86.2344



20.0821, 20.8603, 145.8121

Sweetspot

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



39.6929, 20.8616, 1.9347



66.6622, 59.1665, 50.2900



53.5901, 25.9903, 76.4424



13.6199, 11.7237, 9.4481



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.



39.6929, 20.8616, 1.9347



41.5167, 21.8134, 2.0222



49.6772, 40.8302, 5.2628



17.3620, 17.4598, 17.9174



21.0954, 11.1475, 1.0398



1.9927, 1.1103, 0.1093

Inverse Universe

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



45.2635, 62.9186, 100.2006



47.3420, 65.8041, 104.8140



22.2223, 16.8363, 92.5203



17.6335, 19.3439, 22.1897



24.0618, 33.4791, 53.1675



2.2643, 3.1722, 4.9361

Previews

White Background



This preview shows how the XYZ color 39.6925, 20.8603, 1.9344 looks on a white background.

Color Contrast Check

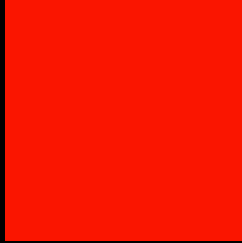
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6925, 20.8603, 1.9344 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 39.6925, 20.8603, 1.9344

Background



This preview shows how black text looks on a background with the XYZ color 39.6925, 20.8603, 1.9344.



This preview shows how white text looks on a background with the XYZ color 39.6925, 20.8603,

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

39.6925, 20.8603, 1.9344

Protanopia

19.1778, 21.1227, 4.4328

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

39.7113, 20.8978, 1.9407

Trichromacy



Original Color

39.6925, 20.8603, 1.9344

Protanomaly

22.9074, 16.9750, 2.7310

Deuteranomaly

25.2408, 17.8345, 2.1121

Tritanomaly

39.7113, 20.8978, 1.9407

Monochromacy



Original Color

39.6925, 20.8603, 1.9344

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.3212, 9.9418, 4.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6925, 20.8603, 1.9344 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 21, 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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.6925, 20.8603, 1.9344 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, 21, 0) }
```


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

```
.border{ border-color:rgb(250, 21, 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, 21, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.6925, 20.8603, 1.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 21, 0) }
```

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

```
.background{ background-color: rgb(250, 21,  
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](#).

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