

Converting Colors

XYZ(39.5269, 20.3609, 2.5720)

Have a look what the booklet for
XYZ(39.5269, 20.3609, 2.5720)
contains.

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Color

**XYZ(39.5597, 20.3781,
2.5578)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0015
RGB	250, 0, 21
RGB Percent	98%, 0%, 8%
CMY	0.0196, 0.9997, 0.9176
CMYK	0.00, 1.00, 0.92, 0.02
HSL	355°, 100%, 49%
HSV	355°, 100%, 98%
XYZ	39.5597, 20.3781, 2.5578
YIQ	77.1440, 142.2590, 59.5310

Conversions

Conversions Part 2

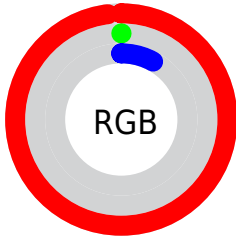
Format	Color
R_{YB}	250, 0, 21
Decimal	16384021
CIE Lab	52.26, 79.08, 60.41
CIE LCh	52, 99.517, 37.378
Yxy	20.3781, 0.6330, 0.3261
Android (android.graphics.Color)	4294574101 (0xFFFA0015)
YUV	77.1440, -27.6790, 151.5947
Hunter-Lab	45.1421, 77.4275, 28.2400

Details

The XYZ color **39.5597, 20.3781, 2.5578** 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 **48.3380, 74.0319, 85.9177**, and the grayscale version is **7.1190, 7.4898, 8.1563**.

A 20% lighter version of the original color is **46.5602, 30.0807, 9.3134**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.5589, 20.3778, 2.5549**, and if you desaturate by 10%, it is **40.2260, 21.2031, 4.3461**.

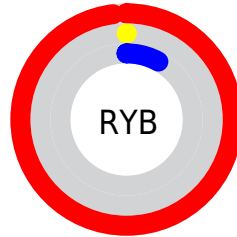
Distribution



Red (98%)

Green (0%)

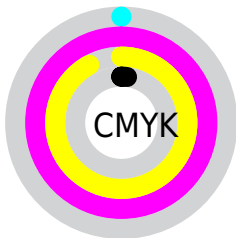
Blue (8%)



Red (98%)

Yellow (0%)

Blue (8%)

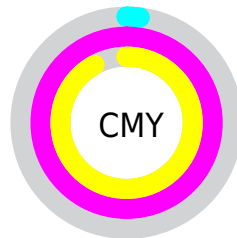


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5597, 20.3781, 2.5578 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 39.5597, 20.3781, 2.5578 by changing the saturation by 10% instead.

 39.5597, 20.3781,
2.5578

 39.5597, 20.3781,
2.5578


335.4306,
253.9547, 130.5124


 27.3781, 12.6702,
0.8706


 73.7812, 44.0502,
10.5163

 17.9954, 7.2018,
0.0000


 96.5518, 60.7832,
17.6276


 11.0464, 3.5886,
0.0000


 123.5827, 81.2933,
27.3850

 6.1656, 1.4462,
0.0000

 155.2394,
105.9649, 40.2070

 2.9876, 0.2504,
0.0000

 191.8872,
135.1825, 56.5122


 1.1472, 0.0000,
0.0000

 233.8914,


 0.0641, 0.0000,


169.3304, 76.7192


0.0000


 281.6174,
208.7930, 101.2464


 0.0000, 0.0000,
0.0000


 39.5597, 20.3781,
2.5578


 39.5597, 20.3781,
2.5578


 39.5589, 20.3778,
2.5549

 40.2260, 21.2031,
4.3461

 41.5750, 23.0137,
7.5316

 43.7781, 26.0983,
12.3402

 46.9470, 30.6345,
18.9508

 51.1765, 36.7719,
27.5182

■ 56.5500, 44.6410,
38.1809

■ 63.1423, 54.3594,
51.0646

■ 71.0222, 66.0341,
66.2852

■ 80.2532, 79.7640,
83.9504

Harmonies

Analogous

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



46.1277, 20.3781, 15.7171



39.5597, 20.3781, 2.5578



27.9546, 20.3781, 0.0000

Triad

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



39.5597, 20.3781, 2.5578



6.3020, 20.3781, 6.8163



22.0036, 20.3781, 137.8992

Complementary

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



39.5597, 20.3781, 2.5578



48.3380, 74.0319, 85.9177

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.



12.7500, 20.3781, 125.2439



39.5597, 20.3781, 2.5578



5.6850, 20.3781, 30.2290

Square

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



39.5597, 20.3781, 2.5578



9.7201, 20.3781, 0.7708



7.5729, 20.3781, 76.8975



33.9169, 20.3781, 103.6999

Rectangle

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



39.5597, 20.3781, 2.5578



20.2819, 20.3781, 0.0000



7.5729, 20.3781, 76.8975



18.4835, 20.3781, 139.2797

Sweetspot

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



39.5601, 20.3794, 2.5581



66.0073, 56.7990, 53.3323



48.3091, 22.9120, 92.3181



13.4717, 11.1879, 10.1367



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.



39.5601, 20.3794, 2.5581



41.3787, 21.3155, 2.6605



43.9853, 29.4458, 3.3672



17.3036, 17.2488, 18.1886



21.0040, 10.8173, 1.4636



1.9649, 1.0097, 0.2385

Inverse Universe

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



39.5601, 20.3794, 2.5581



41.3787, 21.3155, 2.6605



28.1665, 28.7234, 94.5015



17.3036, 17.2488, 18.1886



21.0040, 10.8173, 1.4636



1.9649, 1.0097, 0.2385

Previews

White Background



This preview shows how the XYZ color 39.5597, 20.3781, 2.5578 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



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 39.5597, 20.3781, 2.5578

Background



This preview shows how black text looks on a background with the XYZ color 39.5597, 20.3781, 2.5578.



This preview shows how white text looks on a background with the XYZ color 39.5597, 20.3781,

2.5578.

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

39.5597, 20.3781, 2.5578

Protanopia

18.8814, 20.7588, 5.2972

Deuteranopia

21.0145, 20.8039, 2.9080



Tritanopia

39.0178, 20.5693, 1.9138

Trichromacy



Original Color

39.5597, 20.3781, 2.5578

Protanomaly

22.2281, 15.6824, 3.4456

Deuteranomaly

24.3665, 16.3929, 2.1096

Tritanomaly

39.2816, 20.4989, 2.1160

Monochromacy



Original Color

39.5597, 20.3781, 2.5578

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.6520, 8.0675, 4.7612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5597, 20.3781, 2.5578 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 21)  
}
```

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, 21) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 39.5597, 20.3781, 2.5578 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, 21) }
```


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

```
.border{ border-color:rgb(250, 0, 21) }
```

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, 21) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 39.5597, 20.3781, 2.5578 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, 21) }
```

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

```
.background{ background-color: rgb(250, 0,  
21) }
```

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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