

Converting Colors

XYZ(40.6919, 21.4421, 1.9940)

Have a look what the booklet for
XYZ(40.6919, 21.4421, 1.9940)
contains.

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Color

**XYZ(40.8144, 21.4954,
1.9979)**

Conversions

Conversions Part 1

Format	Color
Hex	FD1700
RGB	253, 23, 0
RGB Percent	99%, 9%, 0%
CMY	0.0078, 0.9097, 1.0000
CMYK	0.00, 0.91, 1.00, 0.01
HSL	5°, 100%, 50%
HSV	5°, 100%, 99%
XYZ	40.8144, 21.4954, 1.9979
YIQ	89.1480, 144.4630, 41.6070

Conversions

Conversions Part 2

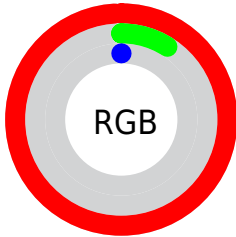
Format	Color
RYB	253, 25, 0
Decimal	16586496
CIELab	53.49, 77.71, 67.05
CIELCh	53, 102.637, 40.792
Yxy	21.4954, 0.6347, 0.3343
Android (android.graphics.Color)	4294776576 (0xFFFD1700)
YUV	89.1480, -43.9500, 143.6982
Hunter-Lab	46.3631, 76.0017, 29.8992

Details

The XYZ color **40.8144, 21.4954, 1.9979** 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 **46.0163, 63.6654, 102.7911**, and the grayscale version is **9.6046, 10.1048, 11.0042**.

A 20% lighter version of the original color is **46.7808, 31.0785, 7.6708**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.8148, 21.4967, 1.9981**, and if you desaturate by 10%, it is **41.6648, 22.9106, 3.1631**.

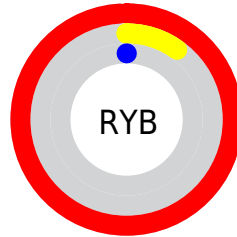
Distribution



Red (99%)

Green (9%)

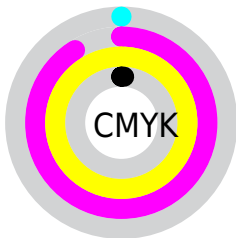
Blue (0%)



Red (99%)

Yellow (10%)

Blue (0%)

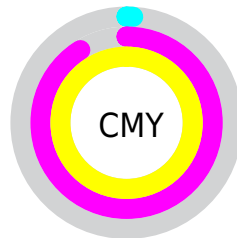


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8144, 21.4954, 1.9979 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 40.8144, 21.4954, 1.9979 by changing the saturation by 10% instead.


 40.8144, 21.4954,
1.9979


 40.8144, 21.4954,
1.9979

 340.6202,
259.8997, 122.3442


 28.3611, 13.4866,
0.5540


 75.6786, 45.9106,
9.0351

 18.7399, 7.7645,
0.0000


 98.8201, 63.0857,
15.5208


 11.5854, 3.9446,
0.0000


 126.2552, 84.0851,
24.5428

 6.5322, 1.6426,
0.0000

 158.3491,
109.2932, 36.5194

 3.2150, 0.3861,
0.0000

 195.4672,
139.0943, 51.8694


 1.2685, 0.0000,
0.0000

 237.9748,


 0.1594, 0.0000,


173.8728, 71.0111


0.0000


 286.2374,
214.0131, 94.3632


 0.0000, 0.0000,
0.0000


 40.8144, 21.4954,
1.9979


 40.8144, 21.4954,
1.9979


 40.8148, 21.4967,
1.9981

 41.6648, 22.9106,
3.1631

 43.2265, 25.3780,
5.7064

 45.6383, 29.0619,
10.0238

 49.0000, 34.0928,
16.3619

 53.3974, 40.5844,
24.9282

■ 58.9067, 48.6383,
35.9043

■ 65.5967, 58.3470,
49.4531

■ 73.5310, 69.7957,
65.7234

■ 82.7682, 83.0639,
84.8525

Harmonies

Analogous

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



48.7872, 21.4954, 13.8518



40.8144, 21.4954, 1.9979



28.1492, 21.4954, 0.0000

Triad

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



40.8144, 21.4954, 1.9979



6.3225, 21.4954, 8.6686



24.6213, 21.4954, 146.1679

Complementary

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



40.8144, 21.4954, 1.9979



46.0163, 63.6654, 102.7911

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.



14.2704, 21.4954, 138.5557



40.8144, 21.4954, 1.9979



5.9645, 21.4954, 36.5714

Square

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



40.8144, 21.4954, 1.9979



9.5516, 21.4954, 1.0156



8.2979, 21.4954, 88.8020



37.4539, 21.4954, 104.8687

Rectangle

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



40.8144, 21.4954, 1.9979



20.1418, 21.4954, 0.0000



8.2979, 21.4954, 88.8020



20.7224, 21.4954, 149.7858

Sweetspot

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



40.8148, 21.4968, 1.9982



66.7726, 59.3874, 50.3268



55.0613, 26.7040, 78.5338



13.6450, 11.7740, 9.4565



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.



40.8148, 21.4968, 1.9982



41.5507, 21.8815, 2.0336



51.0325, 41.9320, 5.4041



18.1423, 18.2528, 18.7113



21.7557, 11.5226, 1.0774



2.1611, 1.2076, 0.1192

Inverse Universe

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



46.0163, 63.6654, 102.7911



46.8454, 64.8108, 104.6485



22.8238, 17.2803, 95.0602



18.4051, 20.1819, 23.1754



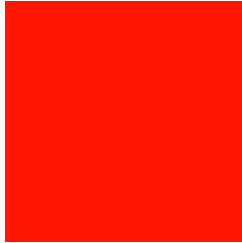
24.5361, 33.9817, 54.7005



2.4286, 3.3880, 5.3392

Previews

White Background



This preview shows how the XYZ color 40.8144, 21.4954, 1.9979 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 40.8144, 21.4954, 1.9979 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 40.8144, 21.4954, 1.9979

Background



This preview shows how black text looks on a background with the XYZ color 40.8144, 21.4954, 1.9979.



This preview shows how white text looks on a background with the XYZ color 40.8144, 21.4954,

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

40.8144, 21.4954, 1.9979

Protanopia

19.6126, 21.7341, 4.5279

Tritanopia

40.8528, 21.5108, 2.1998

Trichromacy



Original Color

40.8144, 21.4954, 1.9979

Protanomaly

23.5496, 17.5532, 2.8087

Tritanomaly

40.8363, 21.5042, 2.1133

Monochromacy



Original Color

40.8144, 21.4954, 1.9979

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

15.0232, 10.4656, 5.0991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8144, 21.4954, 1.9979 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(253, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 23, 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(253, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 23, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.8144, 21.4954, 1.9979 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(253, 23, 0) }
```

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

```
.border{ border-color:rgb(253, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(253, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 23, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 40.8144, 21.4954, 1.9979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 23, 0) }
```

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

```
.background{ background-color: rgb(253, 23,  
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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