

Converting Colors

XYZ(40.9427, 21.0565, 4.1861)

Have a look what the booklet for
XYZ(40.9427, 21.0565, 4.1861)
contains.

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Color

**XYZ(40.9441, 21.0571,
4.1919)**

Conversions

Conversions Part 1

Format	Color
Hex	FD002B
RGB	253, 0, 43
RGB Percent	99%, 0%, 17%
CMY	0.0078, 0.9997, 0.8314
CMYK	0.00, 1.00, 0.83, 0.01
HSL	350°, 100%, 50%
HSV	350°, 100%, 99%
XYZ	40.9441, 21.0571, 4.1919
YIQ	80.5490, 136.9850, 67.0090

Conversions

Conversions Part 2

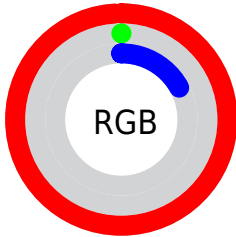
Format	Color
RYB	253, 0, 43
Decimal	16580651
CIELab	53.01, 80.15, 51.45
CIElCh	53, 95.248, 32.698
Yxy	21.0571, 0.6186, 0.3181
Android (android.graphics.Color)	4294770731 (0xFFFD002B)
YUV	80.5490, -18.5117, 151.2395
Hunter-Lab	45.8880, 78.9646, 26.7054

Details

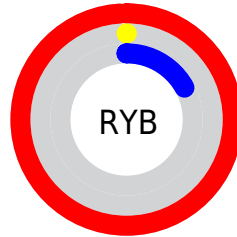
The XYZ color **40.9441, 21.0571, 4.1919** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.7674, 74.9071, 73.0117**, and the grayscale version is **7.7562, 8.1601, 8.8864**.

A 20% lighter version of the original color is **47.3602, 30.5476, 13.0730**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **40.9427, 21.0565, 4.1863**, and if you desaturate by 10%, it is **41.7889, 21.9639, 6.8883**.

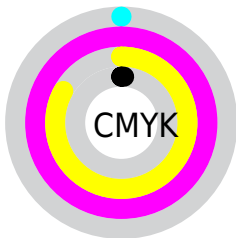
Distribution



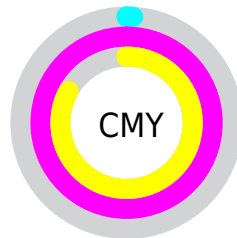
- Red (99%)
- Green (0%)
- Blue (17%)



- Red (99%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9441, 21.0571, 4.1919 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 40.9441, 21.0571, 4.1919 by changing the saturation by 10% instead.


 40.9441, 21.0571,
4.1919


 40.9441, 21.0571,
4.1919


341.1535,
257.5818, 150.3350


 28.4629, 13.1657,
1.7312


 75.8743, 45.1825,
14.4500

 18.8171, 7.5428,
0.3820


 99.0539, 62.1854,
23.0844

 11.6414, 3.8038,
0.0000


 126.5305, 82.9943,
34.6139

 6.5705, 1.5644,
0.0000

 158.6692,
107.9935, 49.4569

 3.2389, 0.3334,
0.0000

 195.8355,
137.5674, 68.0319

 1.2813, 0.0000,
0.0000

 238.3948,

 0.1692, 0.0000,

172.1005, 90.7576

0.0000

286.7123,
211.9772, 118.0525

■ 0.0000, 0.0000,
0.0000

■ 40.9441, 21.0571,
4.1919

■ 40.9441, 21.0571,
4.1919

■ 40.9427, 21.0565,
4.1863

■ 41.7889, 21.9639,
6.8883

■ 43.3174, 23.8775,
10.9225

■ 45.6925, 27.0882,
16.4607

■ 49.0200, 31.7753,
23.6362

■ 53.3893, 38.0894,
32.5670

■ 58.8795, 46.1626,
43.3601

■ 65.5621, 56.1134,
56.1138

■ 73.5023, 68.0498,
70.9193

■ 82.7607, 82.0718,
87.8620

Harmonies

Analogous

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



46.0155, 21.0571, 20.4326



40.9441, 21.0571, 4.1919



30.1912, 21.0571, 0.4728

Triad

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



40.9441, 21.0571, 4.1919



7.3302, 21.0571, 5.8104



20.9327, 21.0571, 133.6266

Complementary

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



40.9441, 21.0571, 4.1919



46.7674, 74.9071, 73.0117

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.



12.4274, 21.0571, 114.9084



40.9441, 21.0571, 4.1919



6.2974, 21.0571, 25.6179

Square

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



40.9441, 21.0571, 4.1919



11.3213, 21.0571, 0.7862



7.8032, 21.0571, 67.3878



32.2999, 21.0571, 107.4849

Rectangle

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



40.9441, 21.0571, 4.1919



22.5586, 21.0571, 0.0000



7.8032, 21.0571, 67.3878



17.6686, 21.0571, 132.3818

Sweetspot

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



40.9446, 21.0585, 4.1922



66.7174, 57.0831, 57.0719



43.3588, 20.3053, 94.5619



13.6339, 11.2528, 10.9909



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.



40.9446, 21.0585, 4.1922



41.6812, 21.4365, 4.2535



43.3888, 26.6441, 2.8580



18.1352, 18.0374, 19.3289



21.8158, 11.2156, 2.4146



2.1575, 1.1054, 0.4108

Inverse Universe

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



40.9446, 21.0585, 4.1922



41.6812, 21.4365, 4.2535



32.6558, 36.9430, 98.3375



18.1352, 18.0374, 19.3289



21.8158, 11.2156, 2.4146



2.1575, 1.1054, 0.4108

Previews

White Background



This preview shows how the XYZ color 40.9441, 21.0571, 4.1919 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 40.9441, 21.0571, 4.1919 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 40.9441, 21.0571, 4.1919

Background



This preview shows how black text looks on a background with the XYZ color 40.9441, 21.0571, 4.1919.



This preview shows how white text looks on a background with the XYZ color 40.9441, 21.0571,

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

40.9441, 21.0571, 4.1919

Protanopia

19.7471, 21.5184, 8.5815

Deuteranopia

21.8388, 21.3966, 3.5092



Tritanopia

40.4513, 21.3082, 1.9809

Trichromacy



Original Color

40.9441, 21.0571, 4.1919

Protanomaly

23.0233, 16.1457, 6.0406

Deuteranomaly

25.3460, 16.9844, 2.9197

Tritanomaly

40.4092, 21.0745, 2.4282

Monochromacy



Original Color

40.9441, 21.0571, 4.1919

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.7427, 8.7905, 6.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9441, 21.0571, 4.1919 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, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 43)  
}
```

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, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 40.9441, 21.0571, 4.1919 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, 0, 43) }
```


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

```
.border{ border-color:rgb(253, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.9441, 21.0571, 4.1919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 43) }
```

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

```
.background{ background-color: rgb(253, 0,  
43) }
```

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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