

Converting Colors

XYZ(40.7373, 20.9513, 4.1467)

Have a look what the booklet for
XYZ(40.7373, 20.9513, 4.1467)
contains.

XYZ(40.5809, 20.8699, 4.1749)	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(40.5809, 20.8699,
4.1749)**

Conversions

Conversions Part 1

Format	Color
Hex	FC002B
RGB	252, 0, 43
RGB Percent	99%, 0%, 17%
CMY	0.0118, 0.9997, 0.8314
CMYK	0.00, 1.00, 0.83, 0.01
HSL	350°, 100%, 49%
HSV	350°, 100%, 99%
XYZ	40.5809, 20.8699, 4.1749
YIQ	80.2500, 136.3890, 66.7970

Conversions

Conversions Part 2

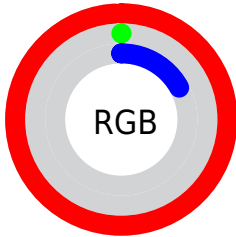
Format	Color
RYB	252, 0, 43
Decimal	16515115
CIELab	52.81, 79.92, 51.19
CIElCh	53, 94.908, 32.641
Yxy	20.8699, 0.6184, 0.3180
Android (android.graphics.Color)	4294705195 (0xFFFC002B)
YUV	80.2500, -18.3642, 150.6248
Hunter-Lab	45.6836, 78.6159, 26.5602

Details

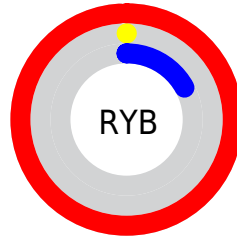
The XYZ color **40.5809, 20.8699, 4.1749** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.3284, 74.2276, 72.2532**, and the grayscale version is **7.6975, 8.0984, 8.8191**.

A 20% lighter version of the original color is **47.2683, 30.3639, 13.0424**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.5795, 20.8692, 4.1692**, and if you desaturate by 10%, it is **41.4207, 21.7713, 6.8556**.

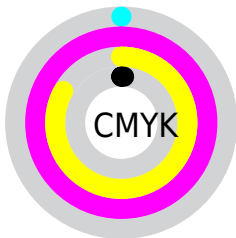
Distribution



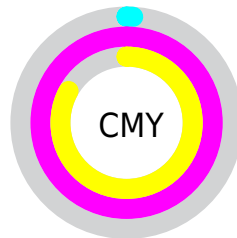
- Red (99%)
- Green (0%)
- Blue (17%)



- 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 40.5809, 20.8699, 4.1749 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 40.5809, 20.8699, 4.1749 by changing the saturation by 10% instead.


 40.5809, 20.8699,
4.1749


 40.5809, 20.8699,
4.1749


339.6585,
256.5863, 150.1500


 28.1780, 13.0289,
1.7218


 75.3260, 44.8709,
14.4112

 18.6010, 7.4485,
0.3756


 98.3989, 61.7997,
23.0314

 11.4846, 3.7441,
0.0000


 125.7592, 82.5267,
34.5444

 6.4635, 1.5315,
0.0000

 157.7722,
107.4361, 49.3687

 3.1722, 0.3107,
0.0000

 194.8032,
136.9123, 67.9229

 1.2455, 0.0000,
0.0000

 237.2178,

 0.1418, 0.0000,

171.3399, 90.6255

0.0000

285.3811,
211.1030, 117.8950

■ 0.0000, 0.0000,
0.0000

■ 40.5809, 20.8699,
4.1749

■ 40.5809, 20.8699,
4.1749

■ 40.5795, 20.8692,
4.1692

■ 41.4207, 21.7713,
6.8556

■ 42.9376, 23.6699,
10.8609

■ 45.2932, 26.8537,
16.3549

■ 48.5920, 31.5002,
23.4693

■ 52.9226, 37.7585,
32.3208

■ 58.3634, 45.7593,
43.0151

■ 64.9848, 55.6200,
55.6491

■ 72.8516, 67.4476,
70.3132

■ 82.0237, 81.3411,
87.0918

Harmonies

Analogous

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



45.5881, 20.8699, 20.3020



40.5809, 20.8699, 4.1749



29.9378, 20.8699, 0.4722

Triad

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



40.5809, 20.8699, 4.1749



7.2746, 20.8699, 5.7457



20.7268, 20.8699, 132.3409

Complementary

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



40.5809, 20.8699, 4.1749



46.3284, 74.2276, 72.2532

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.



12.3087, 20.8699, 113.7297



40.5809, 20.8699, 4.1749



6.2463, 20.8699, 25.3309

Square

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



40.5809, 20.8699, 4.1749



11.2357, 20.8699, 0.7780



7.7336, 20.8699, 66.6599



31.9826, 20.8699, 106.5333

Rectangle

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



40.5809, 20.8699, 4.1749



22.3766, 20.8699, 0.0000



7.7336, 20.8699, 66.6599



17.4958, 20.8699, 131.0785

Sweetspot

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



40.5813, 20.8712, 4.1752



66.7231, 57.0853, 57.1017



42.9728, 20.1247, 93.7142



13.6352, 11.2533, 10.9977



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.



40.5813, 20.8712, 4.1752



41.6844, 21.4378, 4.2701



43.0025, 26.4106, 2.8333



17.3653, 17.2735, 18.5133



21.1747, 10.8856, 2.3626



1.9940, 1.0213, 0.3916

Inverse Universe

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



40.5813, 20.8712, 4.1752



41.6844, 21.4378, 4.2701



32.3663, 36.6183, 97.4568



17.3653, 17.2735, 18.5133



21.1747, 10.8856, 2.3626



1.9940, 1.0213, 0.3916

Previews

White Background



This preview shows how the XYZ color 40.5809, 20.8699, 4.1749 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 40.5809, 20.8699, 4.1749

Background



This preview shows how black text looks on a background with the XYZ color 40.5809, 20.8699, 4.1749.



This preview shows how white text looks on a background with the XYZ color 40.5809, 20.8699,

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

40.5809, 20.8699, 4.1749

Protanopia

19.5778, 21.4311, 8.5736

Deuteranopia

21.6365, 21.2923, 3.4998



Tritanopia

40.0706, 21.0830, 1.9575

Trichromacy



Original Color

40.5809, 20.8699, 4.1749

Protanomaly

22.7879, 16.0244, 6.0296

Deuteranomaly

25.0885, 16.8517, 2.9077

Tritanomaly

40.0342, 20.8607, 2.4067

Monochromacy



Original Color

40.5809, 20.8699, 4.1749

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.5246, 8.6125, 6.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5809, 20.8699, 4.1749 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(252, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 40.5809, 20.8699, 4.1749 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(252, 0, 43) }
```


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

```
.border{ border-color:rgb(252, 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(252, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.5809, 20.8699, 4.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 43) }
```

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

```
.background{ background-color: rgb(252, 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](#).

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