

Converting Colors

XYZ(40.5353, 20.8516, 3.9344)

Have a look what the booklet for
XYZ(40.5353, 20.8516, 3.9344)
contains.

XYZ(40.5279, 20.8486, 3.8956)	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(40.5279, 20.8486,
3.8956)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0028
RGB	252, 0, 40
RGB Percent	99%, 0%, 16%
CMY	0.0118, 0.9997, 0.8431
CMYK	0.00, 1.00, 0.84, 0.01
HSL	350°, 100%, 49%
HSV	350°, 100%, 99%
XYZ	40.5279, 20.8486, 3.8956
YIQ	79.9080, 137.3520, 65.8640

Conversions

Conversions Part 2

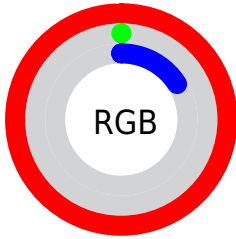
Format	Color
RYB	252, 0, 40
Decimal	16515112
CIELab	52.78, 79.86, 52.69
CIELCh	53, 95.672, 33.417
Yxy	20.8486, 0.6209, 0.3194
Android (android.graphics.Color)	4294705192 (0xFFFC0028)
YUV	79.9080, -19.6746, 150.9247
Hunter-Lab	45.6603, 78.5305, 26.9037

Details

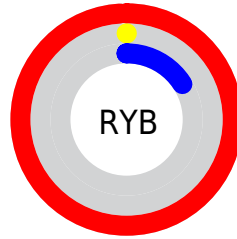
The XYZ color **40.5279, 20.8486, 3.8956** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.7028, 74.3775, 74.2248**, and the grayscale version is **7.6324, 8.0299, 8.7445**.

A 20% lighter version of the original color is **47.1432, 30.3139, 12.3833**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.5267, 20.8481, 3.8907**, and if you desaturate by 10%, it is **41.3458, 21.7411, 6.4613**.

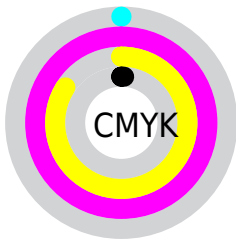
Distribution



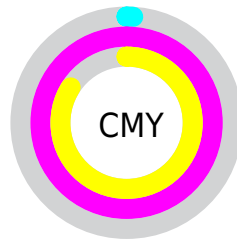
- Red (99%)
- Green (0%)
- Blue (16%)



- Red (99%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5279, 20.8486, 3.8956 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 40.5279, 20.8486, 3.8956 by changing the saturation by 10% instead.


 40.5279, 20.8486,
3.8956


 40.5279, 20.8486,
3.8956


339.4400,
256.4728, 147.0578


 28.1364, 13.0134,
1.5682


 75.2460, 44.8354,
13.7683


 18.5695, 7.4378,
0.2680


 98.3032, 61.7558,
22.1506

 11.4618, 3.7373,
0.0000


 125.6465, 82.4734,
33.3885

 6.4479, 1.5277,
0.0000

 157.6411,
107.3725, 47.9002

 3.1625, 0.3081,
0.0000

 194.6524,
136.8377, 66.1045

 1.2403, 0.0000,
0.0000

 237.0457,

 0.1378, 0.0000,

171.2532, 88.4198

0.0000

285.1865,
211.0034, 115.2648

0.0000, 0.0000,
0.0000

40.5279, 20.8486,
3.8956

40.5279, 20.8486,
3.8956

40.5267, 20.8481,
3.8907

41.3458, 21.7411,
6.4613

42.8439, 23.6320,
10.3682

45.1853, 26.8099,
15.7881

48.4755, 31.4526,
22.8585

52.8043, 37.7099,
31.7010

■ 58.2505, 45.7126,
42.4254

■ 64.8857, 55.5784,
55.1329

■ 72.7751, 67.4147,
69.9169

■ 81.9792, 81.3206,
86.8652

Harmonies

Analogous

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



45.7958, 20.8486, 19.5807



40.5279, 20.8486, 3.8956



29.6995, 20.8486, 0.3809

Triad

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



40.5279, 20.8486, 3.8956



7.1350, 20.8486, 5.9229



20.9816, 20.8486, 133.5616

Complementary

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



40.5279, 20.8486, 3.8956



46.7028, 74.3775, 74.2248

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.



12.4116, 20.8486, 115.8031



40.5279, 20.8486, 3.8956



6.1727, 20.8486, 26.1355

Square

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



40.5279, 20.8486, 3.8956



11.0174, 20.8486, 0.7796



7.7295, 20.8486, 68.3916



32.3697, 20.8486, 106.3669

Rectangle

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



40.5279, 20.8486, 3.8956



22.0974, 20.8486, 0.0000



7.7295, 20.8486, 68.3916



17.6972, 20.8486, 132.7014

Sweetspot

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



40.5283, 20.8499, 3.8959



66.6229, 57.0453, 56.5743



44.1526, 20.7328, 93.7696



13.6122, 11.2441, 10.8768



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.



40.5283, 20.8499, 3.8959



41.6302, 21.4161, 3.9848



43.3187, 27.0429, 2.9385



17.3568, 17.2701, 18.4686



21.1451, 10.8738, 2.2068



1.9900, 1.0197, 0.3705

Inverse Universe

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



40.5283, 20.8499, 3.8959



41.6302, 21.4161, 3.9848



31.5780, 35.0418, 97.1943



17.3568, 17.2701, 18.4686



21.1451, 10.8738, 2.2068



1.9900, 1.0197, 0.3705

Previews

White Background



This preview shows how the XYZ color 40.5279, 20.8486, 3.8956 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 40.5279, 20.8486, 3.8956

Background



This preview shows how black text looks on a background with the XYZ color 40.5279, 20.8486, 3.8956.



This preview shows how white text looks on a background with the XYZ color 40.5279, 20.8486,

3.8956.

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

40.5279, 20.8486, 3.8956

Protanopia

19.6578, 21.4827, 8.1115

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

40.0901, 21.1220, 1.9640

Trichromacy



Original Color

40.5279, 20.8486, 3.8956



Protanomaly

22.7123, 15.9941, 5.6315



Deuteranomaly

24.9882, 16.8116, 2.3799



Tritanomaly

40.0407, 20.8854, 2.3728

Monochromacy



Original Color

40.5279, 20.8486, 3.8956



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.4657, 8.5889, 5.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5279, 20.8486, 3.8956 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 40.5279, 20.8486, 3.8956 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, 40) }
```


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

```
.border{ border-color:rgb(252, 0, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.5279, 20.8486, 3.8956 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, 40) }
```

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

```
.background{ background-color: rgb(252, 0,  
40) }
```

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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