

Converting Colors

XYZ(40.3439, 20.7939, 2.0754)

Have a look what the booklet for
XYZ(40.3439, 20.7939, 2.0754)
contains.

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Color

**XYZ(40.1832, 20.7108,
2.0807)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0007
RGB	252, 0, 7
RGB Percent	99%, 0%, 3%
CMY	0.0118, 0.9997, 0.9725
CMYK	0.00, 1.00, 0.97, 0.01
HSL	358°, 100%, 49%
HSV	358°, 100%, 99%
XYZ	40.1832, 20.7108, 2.0807
YIQ	76.1460, 147.9450, 55.6010

Conversions

Conversions Part 2

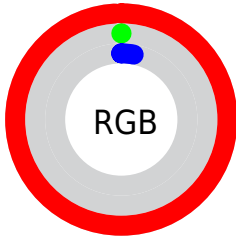
Format	Color
RYB	252, 0, 7
Decimal	16515079
CIELab	52.63, 79.44, 64.86
CIElCh	53, 102.555, 39.230
Yxy	20.7108, 0.6381, 0.3289
Android (android.graphics.Color)	4294705159 (0xFFFC0007)
YUV	76.1460, -34.0890, 154.2240
Hunter-Lab	45.5091, 77.9692, 29.1456

Details

The XYZ color **40.1832, 20.7108, 2.0807** 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 **51.3030, 76.2174, 98.4491**, and the grayscale version is **6.9451, 7.3068, 7.9571**.

A 20% lighter version of the original color is **46.2924, 29.9735, 7.9030**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **40.1825, 20.7104, 2.0787**, and if you desaturate by 10%, it is **40.7520, 21.5038, 3.3345**.

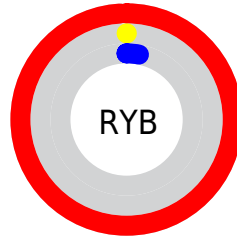
Distribution



Red (99%)

Green (0%)

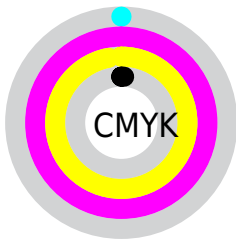
Blue (3%)



Red (99%)

Yellow (0%)

Blue (3%)

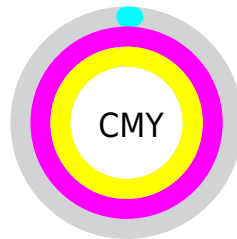


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1832, 20.7108, 2.0807 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 40.1832, 20.7108, 2.0807 by changing the saturation by 10% instead.


 40.1832, 20.7108,
2.0807


 40.1832, 20.7108,
2.0807


338.0163,
255.7375, 123.6176


 27.8663, 12.9128,
0.6042


 74.7250, 44.6057,
9.2603


 18.3648, 7.3685,
0.0000


 97.6805, 61.4714,
15.8434


 11.3135, 3.6936,
0.0000


 124.9130, 82.1284,
24.9802

 6.3469, 1.5037,
0.0000

 156.7877,
106.9612, 37.0892

 3.0998, 0.2913,
0.0000

 193.6700,
136.3541, 52.5889


 1.2068, 0.0000,
0.0000

 235.9253,


 0.1117, 0.0000,


170.6915, 71.8978


0.0000


 283.9190,
210.3579, 95.4345


 0.0000, 0.0000,
0.0000


 40.1832, 20.7108,
2.0807


 40.1832, 20.7108,
2.0807


 40.1825, 20.7104,
2.0787

 40.7520, 21.5038,
3.3345

 42.0195, 23.3026,
6.0264

 44.1736, 26.4058,
10.4594

 47.3369, 30.9981,
16.8604

 51.6125, 37.2343,
25.4224

■ 57.0909, 45.2502,
36.3151

■ 63.8533, 55.1672,
49.6915

■ 71.9738, 67.0963,
65.6916

■ 81.5209, 81.1397,
84.4450

Harmonies

Analogous

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



47.5962, 20.7108, 14.3925



40.1832, 20.7108, 2.0807



27.8740, 20.7108, 0.0000

Triad

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



40.1832, 20.7108, 2.0807



6.0771, 20.7108, 7.4942



23.1549, 20.7108, 144.0500

Complementary

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



40.1832, 20.7108, 2.0807



51.3030, 76.2174, 98.4491

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.



13.2810, 20.7108, 133.7991



40.1832, 20.7108, 2.0807



5.6033, 20.7108, 33.3235

Square

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



40.1832, 20.7108, 2.0807



9.3685, 20.7108, 0.7903



7.7039, 20.7108, 83.6711



35.6791, 20.7108, 105.2817

Rectangle

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



40.1832, 20.7108, 2.0807



19.9613, 20.7108, 0.0000



7.7039, 20.7108, 83.6711



19.4113, 20.7108, 146.6612

Sweetspot

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



40.1836, 20.7121, 2.0810



65.5600, 56.6201, 50.9769



54.7413, 26.1916, 94.2649



13.3703, 11.1474, 9.6028



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.



40.1836, 20.7121, 2.0810



41.2784, 21.2754, 2.1324



46.5807, 33.5671, 4.0261



17.2640, 17.2329, 17.9798



20.9404, 10.7919, 1.1284



1.9460, 1.0021, 0.1392

Inverse Universe

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



40.1836, 20.7121, 2.0810



41.2784, 21.2754, 2.1324



26.1564, 24.1987, 95.3868



17.2640, 17.2329, 17.9798



20.9404, 10.7919, 1.1284



1.9460, 1.0021, 0.1392

Previews

White Background



This preview shows how the XYZ color 40.1832, 20.7108, 2.0807 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 40.1832, 20.7108, 2.0807

Background



This preview shows how black text looks on a background with the XYZ color 40.1832, 20.7108, 2.0807.



This preview shows how white text looks on a background with the XYZ color 40.1832, 20.7108,

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

40.1832, 20.7108, 2.0807

Protanopia

19.2058, 21.1339, 4.5804

Deuteranopia

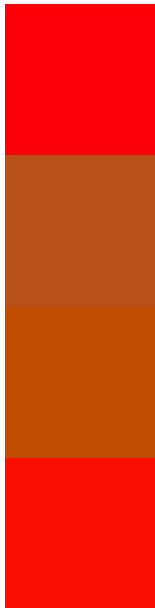
21.3346, 21.1483, 2.9576



Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.1832, 20.7108, 2.0807

Protanomaly

22.6357, 16.0181, 2.7629

Deuteranomaly

24.6626, 16.6518, 2.0004

Tritanomaly

39.9709, 20.8575, 2.0053

Monochromacy



Original Color

40.1832, 20.7108, 2.0807

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.4697, 7.9284, 4.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1832, 20.7108, 2.0807 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 40.1832, 20.7108, 2.0807 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, 7) }
```


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

```
.border{ border-color:rgb(252, 0, 7) }
```

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, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(252, 0, 7); box-shadow:4px  
4px 4px 4px rgb(252, 0, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1832, 20.7108, 2.0807 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, 7) }
```

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

```
.background{ background-color: rgb(252, 0,  
7) }
```

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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