

Converting Colors

XYZ(40.3430, 20.7935, 2.0702)

Have a look what the booklet for
XYZ(40.3430, 20.7935, 2.0702)
contains.

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Color

**XYZ(40.1778, 20.7086,
2.0519)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0006
RGB	252, 0, 6
RGB Percent	99%, 0%, 2%
CMY	0.0118, 0.9997, 0.9765
CMYK	0.00, 1.00, 0.98, 0.01
HSL	359°, 100%, 49%
HSV	359°, 100%, 99%
XYZ	40.1778, 20.7086, 2.0519
YIQ	76.0320, 148.2660, 55.2900

Conversions

Conversions Part 2

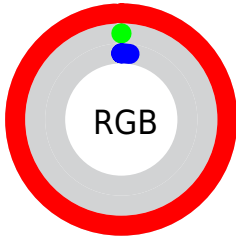
Format	Color
RYB	252, 0, 6
Decimal	16515078
CIELab	52.63, 79.43, 65.10
CIELCh	53, 102.704, 39.338
Yxy	20.7086, 0.6384, 0.3290
Android (android.graphics.Color)	4294705158 (0xFFFC0006)
YUV	76.0320, -34.5258, 154.3239
Hunter-Lab	45.5067, 77.9607, 29.1813

Details

The XYZ color **40.1778, 20.7086, 2.0519** 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 **51.4555, 76.2785, 99.2520**, and the grayscale version is **6.9246, 7.2852, 7.9336**.

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 **40.1771, 20.7083, 2.0500**, and if you desaturate by 10%, it is **40.7402, 21.4990, 3.2720**.

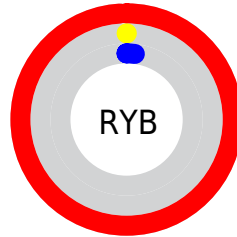
Distribution



Red (99%)

Green (0%)

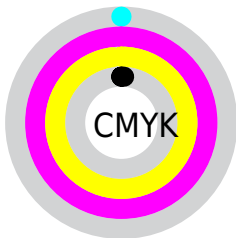
Blue (2%)



Red (99%)

Yellow (0%)

Blue (2%)

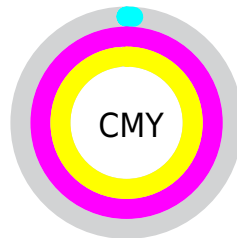


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1778, 20.7086, 2.0519 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 40.1778, 20.7086, 2.0519 by changing the saturation by 10% instead.


 40.1778, 20.7086,
2.0519


 40.1778, 20.7086,
2.0519


 337.9940,
255.7258, 123.1775


 27.8620, 12.9112,
0.5869


 74.7168, 44.6021,
9.1822

 18.3616, 7.3674,
0.0000


 97.6707, 61.4669,
15.7317

 11.3112, 3.6929,
0.0000


 124.9015, 82.1229,
24.8288

 6.3454, 1.5033,
0.0000

 156.7743,
106.9546, 36.8921

 3.0988, 0.2911,
0.0000

 193.6546,
136.3464, 52.3401

 1.2063, 0.0000,
0.0000

 235.9078,


 0.1113, 0.0000,


170.6826, 71.5913


0.0000


 283.8991,
210.3476, 95.0642


 0.0000, 0.0000,
0.0000


 40.1778, 20.7086,
2.0519


 40.1778, 20.7086,
2.0519


 40.1771, 20.7083,
2.0500

 40.7402, 21.4990,
3.2720

 42.0001, 23.2947,
5.9243

 44.1476, 26.3951,
10.3229

 47.3060, 30.9853,
16.6985

 51.5789, 37.2203,
25.2466

■ 57.0572, 45.2360,
36.1394

■ 63.8225, 55.1540,
49.5316

■ 71.9493, 67.0854,
65.5650

■ 81.5062, 81.1326,
84.3704

Harmonies

Analogous

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



47.6343, 20.7086, 14.3002



40.1778, 20.7086, 2.0519



27.8393, 20.7086, 0.0000

Triad

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



40.1778, 20.7086, 2.0519



6.0572, 20.7086, 7.5280



23.2003, 20.7086, 144.2709

Complementary

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



40.1778, 20.7086, 2.0519



51.4555, 76.2785, 99.2520

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.



13.2990, 20.7086, 134.1811



40.1778, 20.7086, 2.0519



5.5924, 20.7086, 33.4795

Square

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



40.1778, 20.7086, 2.0519



9.3376, 20.7086, 0.7904



7.7035, 20.7086, 83.9997



35.7483, 20.7086, 105.2649

Rectangle

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



40.1778, 20.7086, 2.0519



19.9208, 20.7086, 0.0000



7.7035, 20.7086, 83.9997



19.4469, 20.7086, 146.9553

Sweetspot

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



40.1782, 20.7099, 2.0522



65.5291, 56.6077, 50.8142



54.7414, 26.1916, 94.2651



13.3633, 11.1446, 9.5660



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.



40.1782, 20.7099, 2.0522



41.2729, 21.2732, 2.1033



46.5806, 33.5668, 4.0259



17.2612, 17.2318, 17.9652



20.9363, 10.7902, 1.1069



1.9447, 1.0016, 0.1322

Inverse Universe

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



40.1782, 20.7099, 2.0522



41.2729, 21.2732, 2.1033



26.1563, 24.1984, 95.3870



17.2612, 17.2318, 17.9652



20.9363, 10.7902, 1.1069



1.9447, 1.0016, 0.1322

Previews

White Background



This preview shows how the XYZ color 40.1778, 20.7086, 2.0519 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 40.1778, 20.7086, 2.0519

Background



This preview shows how black text looks on a background with the XYZ color 40.1778, 20.7086, 2.0519.



This preview shows how white text looks on a background with the XYZ color 40.1778, 20.7086,

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

40.1778, 20.7086, 2.0519

Protanopia

19.1916, 21.1282, 4.5055

Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.1778, 20.7086, 2.0519

Protanomaly

22.6255, 16.0140, 2.7091

Tritanomaly

39.9654, 20.8553, 1.9765

Monochromacy



Original Color

40.1778, 20.7086, 2.0519

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 40.1778, 20.7086, 2.0519 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 6) }
```

Border

The CSS property to change the border of an element to XYZ 40.1778, 20.7086, 2.0519 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, 6) }
```

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

```
.border{ border-color:rgb(252, 0, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(252, 0, 6); box-shadow:4px  
4px 4px 4px rgb(252, 0, 6) }
```


Background

The CSS property to change the background color of an element to XYZ 40.1778, 20.7086, 2.0519 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, 6) }
```

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

```
.background{ background-color: rgb(252, 0,  
6) }
```

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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