

Converting Colors

XYZ(40.3833, 20.9300, 1.9115)

Have a look what the booklet for
XYZ(40.3833, 20.9300, 1.9115)
contains.

XYZ(40.2209, 20.8474, 1.9041)	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(40.2209, 20.8474,
1.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0700
RGB	252, 7, 0
RGB Percent	99%, 3%, 0%
CMY	0.0118, 0.9723, 1.0000
CMYK	0.00, 0.97, 1.00, 0.01
HSL	2°, 100%, 49%
HSV	2°, 100%, 99%
XYZ	40.2209, 20.8474, 1.9041
YIQ	79.4570, 148.2670, 49.7630

Conversions

Conversions Part 2

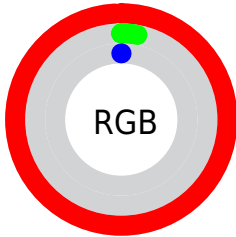
Format	Color
RYB	252, 7, 0
Decimal	16516864
CIELab	52.78, 78.91, 66.68
CIELCh	53, 103.307, 40.198
Yxy	20.8474, 0.6387, 0.3311
Android (android.graphics.Color)	4294706944 (0xFFFC0700)
YUV	79.4570, -39.1723, 151.3202
Hunter-Lab	45.6590, 77.3372, 29.4887

Details

The XYZ color **40.2209, 20.8474, 1.9041** 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 **50.2028, 72.2926, 103.4027**, and the grayscale version is **7.5803, 7.9750, 8.6848**.

A 20% lighter version of the original color is **46.2784, 30.1149, 7.3766**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **40.2213, 20.8487, 1.9043**, and if you desaturate by 10%, it is **40.8270, 21.7759, 2.9825**.

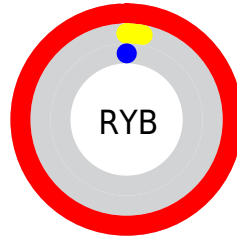
Distribution



Red (99%)

Green (3%)

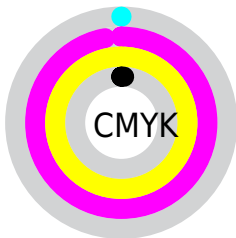
Blue (0%)



Red (99%)

Yellow (3%)

Blue (0%)

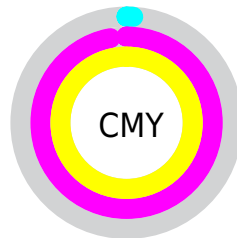


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (97%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2209, 20.8474, 1.9041 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 40.2209, 20.8474, 1.9041 by changing the saturation by 10% instead.

 40.2209, 20.8474,
1.9041


 40.2209, 20.8474,
1.9041

 338.1722,
256.4664, 120.8694


 27.8958, 13.0125,
0.4953


 74.7820, 44.8334,
8.7769


 18.3872, 7.4372,
0.0000


 97.7487, 61.7533,
15.1500


 11.3297, 3.7370,
0.0000


 124.9933, 82.4704,
24.0389

 6.3580, 1.5275,
0.0000

 156.8811,
107.3690, 35.8621

 3.1067, 0.3080,
0.0000

 193.7776,
136.8335, 51.0382

 1.2104, 0.0000,
0.0000

 236.0480,


 0.1146, 0.0000,


171.2483, 69.9858


0.0000


 284.0578,
210.9978, 93.1233


 0.0000, 0.0000,
0.0000


 40.2209, 20.8474,
1.9041


 40.2209, 20.8474,
1.9041


 40.2213, 20.8487,
1.9043

 40.8270, 21.7759,
2.9825

 42.1459, 23.7628,
5.4286

 44.3443, 27.0295,
9.6452

 47.5397, 31.7426,
15.8824

 51.8315, 38.0435,
24.3506

■ 57.3072, 46.0567,
35.2336

■ 64.0452, 55.8945,
48.6962

■ 72.1176, 67.6596,
64.8887

■ 81.5906, 81.4469,
83.9501

Harmonies

Analogous

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



47.9919, 20.8474, 13.7332



40.2209, 20.8474, 1.9041



27.6931, 20.8474, 0.0000

Triad

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



40.2209, 20.8474, 1.9041



6.0172, 20.8474, 7.9499



23.7129, 20.8474, 145.4477

Complementary

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



40.2209, 20.8474, 1.9041



50.2028, 72.2926, 103.4027

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.



13.5933, 20.8474, 136.7579



40.2209, 20.8474, 1.9041



5.6207, 20.8474, 34.9050

Square

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



40.2209, 20.8474, 1.9041



9.2271, 20.8474, 0.8456



7.8307, 20.8474, 86.5493



36.4160, 20.8474, 104.8478

Rectangle

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



40.2209, 20.8474, 1.9041



19.7435, 20.8474, 0.0000



7.8307, 20.8474, 86.5493



19.8864, 20.8474, 148.7033

Sweetspot

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



40.2213, 20.8487, 1.9044



65.7780, 57.3981, 49.9952



57.0568, 27.4602, 90.9369



13.4195, 11.3229, 9.3813



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.



40.2213, 20.8487, 1.9044



41.3176, 21.4152, 1.9559



48.1540, 36.7140, 4.5486



17.2836, 17.3031, 17.8913



20.9693, 10.8954, 0.9978



1.9554, 1.0357, 0.0968

Inverse Universe

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



50.2028, 72.2926, 103.4027



51.5712, 74.2624, 106.2237



24.5057, 20.8984, 94.8370



17.7216, 19.5201, 22.2190



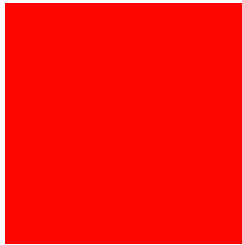
26.1707, 37.6970, 53.8705



2.4367, 3.5170, 4.9936

Previews

White Background



This preview shows how the XYZ color 40.2209, 20.8474, 1.9041 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 40.2209, 20.8474, 1.9041

Background



This preview shows how black text looks on a background with the XYZ color 40.2209, 20.8474, 1.9041.



This preview shows how white text looks on a background with the XYZ color 40.2209, 20.8474,

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

40.2209, 20.8474, 1.9041

Protanopia

19.1916, 21.1282, 4.5055

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.2209, 20.8474, 1.9041

Protanomaly

22.7571, 16.3079, 2.6578

Deuteranomaly

24.8610, 17.0748, 1.9854

Tritanomaly

39.9841, 20.9101, 1.9287

Monochromacy



Original Color

40.2209, 20.8474, 1.9041

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

13.0042, 8.5273, 3.9781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2209, 20.8474, 1.9041 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, 7, 0)` looks like.

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

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, 7, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 40.2209, 20.8474, 1.9041 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, 7, 0) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(252, 7, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 40.2209, 20.8474, 1.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 7, 0) }
```

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

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

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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