

Converting Colors

XYZ(40.1950, 21.9186, 2.1122)

Have a look what the booklet for
XYZ(40.1950, 21.9186, 2.1122)
contains.

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Color

**XYZ(40.2173, 21.9099,
2.1093)**

Conversions

Conversions Part 1

Format	Color
Hex	FA2900
RGB	250, 41, 0
RGB Percent	98%, 16%, 0%
CMY	0.0196, 0.8391, 1.0000
CMYK	0.00, 0.84, 1.00, 0.02
HSL	10°, 100%, 49%
HSV	10°, 100%, 98%
XYZ	40.2173, 21.9099, 2.1093
YIQ	98.8170, 137.7250, 31.5570

Conversions

Conversions Part 2

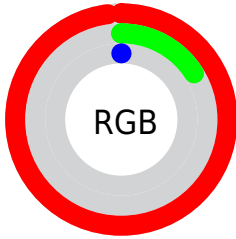
Format	Color
RYB	250, 49, 0
Decimal	16394496
CIELab	53.93, 73.94, 66.86
CIELCh	54, 99.687, 42.119
Yxy	21.9099, 0.6261, 0.3411
Android (android.graphics.Color)	4294584576 (0xFFFA2900)
YUV	98.8170, -48.7168, 132.5875
Hunter-Lab	46.8080, 71.4526, 30.0938

Details

The XYZ color **40.2173, 21.9099, 2.1093** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **40.0500, 52.4917, 98.4628**, and the grayscale version is **11.9108, 12.5311, 13.6463**.

A 20% lighter version of the original color is **47.5243, 32.5235, 8.0478**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.2177, 21.9113, 2.1096**, and if you desaturate by 10%, it is **41.3178, 23.8306, 3.3418**.

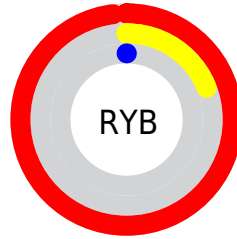
Distribution



Red (98%)

Green (16%)

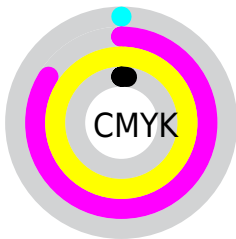
Blue (0%)



Red (98%)

Yellow (19%)

Blue (0%)

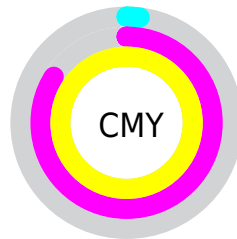


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2173, 21.9099, 2.1093 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 40.2173, 21.9099, 2.1093 by changing the saturation by 10% instead.


 40.2173, 21.9099,
2.1093


 40.2173, 21.9099,
2.1093


 338.1573,
262.0754, 124.0515

 27.8930, 13.7907,
0.6213


 74.7765, 46.5970,
9.3375


 18.3850, 7.9752,
0.0000


 97.7422, 63.9338,
15.9539


 11.3281, 4.0791,
0.0000


 124.9856, 85.1118,
25.1298

 6.3569, 1.7179,
0.0000

 156.8722,
110.5156, 37.2838

 3.1060, 0.4352,
0.0000

 193.7673,
140.5294, 52.8344

 1.2101, 0.0000,
0.0000

 236.0363,


 0.1143, 0.0000,


175.5377, 72.2002


0.0000


 284.0445,
215.9249, 95.7998


 0.0000, 0.0000,
0.0000


 40.2173, 21.9099,
2.1093


 40.2173, 21.9099,
2.1093


 40.2177, 21.9113,
2.1096

 41.3178, 23.8306,
3.3418

 43.0791, 26.7128,
5.9032

 45.6158, 30.6753,
10.1734

 49.0091, 35.8135,
16.3863

 53.3294, 42.2119,
24.7390

■ 58.6397, 49.9471,
35.4043

■ 64.9973, 59.0898,
48.5371

■ 72.4550, 69.7053,
64.2791

■ 81.0621, 81.8551,
82.7611

Harmonies

Analogous

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



48.2614, 21.9099, 13.4652



40.2173, 21.9099, 2.1093



27.8347, 21.9099, 0.0000

Triad

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



40.2173, 21.9099, 2.1093



6.7011, 21.9099, 9.9096



25.4704, 21.9099, 141.0781

Complementary

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



40.2173, 21.9099, 2.1093



40.0500, 52.4917, 98.4628

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.



15.1031, 21.9099, 136.1026



40.2173, 21.9099, 2.1093



6.4518, 21.9099, 38.5595

Square

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



40.2173, 21.9099, 2.1093



9.8141, 21.9099, 1.3797



8.9512, 21.9099, 89.6136



37.9822, 21.9099, 100.1680

Rectangle

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



40.2173, 21.9099, 2.1093



20.0702, 21.9099, 0.0000



8.9512, 21.9099, 89.6136



21.5979, 21.9099, 145.2994

Sweetspot

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



40.2178, 21.9113, 2.1096



67.9685, 61.7791, 50.7254



51.3708, 25.1026, 64.7559



13.9182, 12.3203, 9.5476



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.



40.2178, 21.9113, 2.1096



42.0624, 22.9048, 2.2041



52.4326, 46.3409, 6.1812



17.4747, 17.6852, 17.9550



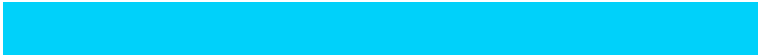
21.4010, 11.7586, 1.1417



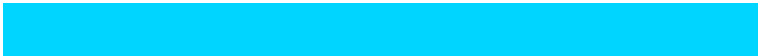
2.0458, 1.2165, 0.1270

Inverse Universe

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



40.0500, 52.4917, 98.4628



41.8838, 54.8876, 102.9946



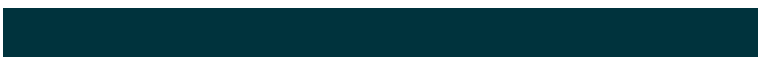
20.7040, 13.7997, 92.0142



17.5091, 19.0951, 22.1482



21.3347, 28.0249, 52.2585



2.0384, 2.7205, 4.8609

Previews

White Background



This preview shows how the XYZ color 40.2173, 21.9099, 2.1093 looks on a white background.

Color Contrast Check

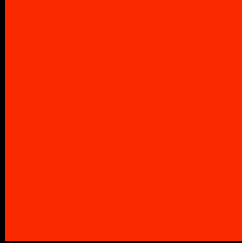
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.2173, 21.9099, 2.1093 looks on a 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 40.2173, 21.9099, 2.1093

Background



This preview shows how black text looks on a background with the XYZ color 40.2173, 21.9099, 2.1093.



This preview shows how white text looks on a background with the XYZ color 40.2173, 21.9099,

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

40.2173, 21.9099, 2.1093

Protanopia

20.0840, 22.1752, 4.5180

Deuteranopia

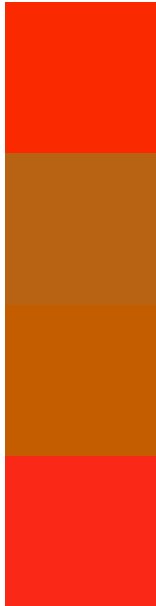
22.1872, 21.9524, 3.0679



Tritanopia

40.4683, 21.9024, 3.7637

Trichromacy



Original Color

40.2173, 21.9099, 2.1093

Protanomaly

24.2611, 18.9762, 3.0459

Deuteranomaly

26.4200, 19.4308, 2.3580

Tritanomaly

40.3378, 21.9034, 2.9124

Monochromacy



Original Color

40.2173, 21.9099, 2.1093

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.9480, 12.6777, 6.2564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2173, 21.9099, 2.1093 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(250, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 41, 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(250, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 41, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2173, 21.9099, 2.1093 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(250, 41, 0) }
```


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

```
.border{ border-color:rgb(250, 41, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 41, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.2173, 21.9099, 2.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 41, 0) }
```

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

```
.background{ background-color: rgb(250, 41,  
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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