

Converting Colors

XYZ(40.3901, 20.8124, 2.3182)

Have a look what the booklet for
XYZ(40.3901, 20.8124, 2.3182)
contains.

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Color

**XYZ(40.2241, 20.7272,
2.2962)**

Conversions

Conversions Part 1

Format	Color
Hex	FC000E
RGB	252, 0, 14
RGB Percent	99%, 0%, 5%
CMY	0.0118, 0.9997, 0.9451
CMYK	0.00, 1.00, 0.94, 0.01
HSL	357°, 100%, 49%
HSV	357°, 100%, 99%
XYZ	40.2241, 20.7272, 2.2962
YIQ	76.9440, 145.6980, 57.7780

Conversions

Conversions Part 2

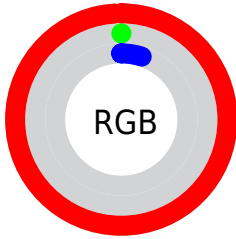
Format	Color
RYB	252, 0, 14
Decimal	16515086
CIELab	52.65, 79.49, 63.11
CIELCh	53, 101.493, 38.446
Yxy	20.7272, 0.6360, 0.3277
Android (android.graphics.Color)	4294705166 (0xFFFC000E)
YUV	76.9440, -31.0314, 153.5241
Hunter-Lab	45.5271, 78.0357, 28.8787

Details

The XYZ color **40.2241, 20.7272, 2.2962** 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 **50.2540, 75.7977, 92.9252**, and the grayscale version is **7.0882, 7.4573, 8.1210**.

A 20% lighter version of the original color is **46.4062, 30.0191, 8.5026**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.2233, 20.7267, 2.2937**, and if you desaturate by 10%, it is **40.8447, 21.5410, 3.8226**.

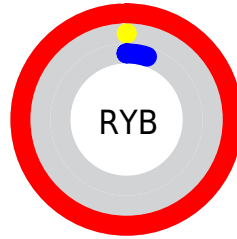
Distribution



Red (99%)

Green (0%)

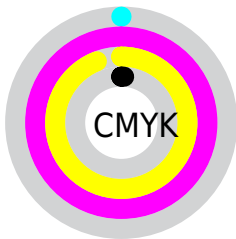
Blue (5%)



Red (99%)

Yellow (0%)

Blue (5%)

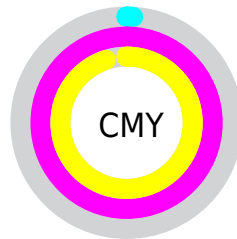


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2241, 20.7272, 2.2962 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 40.2241, 20.7272, 2.2962 by changing the saturation by 10% instead.


 40.2241, 20.7272,
2.2962


 40.2241, 20.7272,
2.2962


338.1855,
255.8251, 126.8188


 27.8983, 12.9247,
0.7291


 74.7868, 44.6331,
9.8358

 18.3891, 7.3767,
0.0000


 97.7544, 61.5053,
16.6640

 11.3311, 3.6988,
0.0000


 125.0001, 82.1695,
26.0892

 6.3589, 1.5065,
0.0000

 156.8890,
107.0102, 38.5299

 3.1072, 0.2933,
0.0000

 193.7867,
136.4117, 54.4047

 1.2107, 0.0000,
0.0000

 236.0584,


 0.1148, 0.0000,


170.7584, 74.1321


0.0000


 284.0696,
210.4348, 98.1306


 0.0000, 0.0000,
0.0000


 40.2241, 20.7272,
2.2962


 40.2241, 20.7272,
2.2962

 40.2233, 20.7267,
2.2937

 40.8447, 21.5410,
3.8226

 42.1644, 23.3607,
6.7890

 44.3630, 26.4818,
11.4558

 47.5585, 31.0871,
18.0264

 51.8508, 37.3301,
26.6757

■ 57.3274, 45.3454,
37.5586

■ 64.0672, 55.2535,
50.8156

■ 72.1421, 67.1645,
66.5752

■ 81.6188, 81.1799,
84.9571

Harmonies

Analogous

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



47.3246, 20.7272, 15.0705



40.2241, 20.7272, 2.2962



28.1259, 20.7272, 0.0000

Triad

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



40.2241, 20.7272, 2.2962



6.2217, 20.7272, 7.2531



22.8303, 20.7272, 142.4745

Complementary

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



40.2241, 20.7272, 2.2962



50.2540, 75.7977, 92.9252

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.



13.1522, 20.7272, 131.0754



40.2241, 20.7272, 2.2962



5.6825, 20.7272, 32.2140

Square

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



40.2241, 20.7272, 2.2962



9.5933, 20.7272, 0.7890



7.7070, 20.7272, 81.3320



35.1839, 20.7272, 105.4102

Rectangle

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



40.2241, 20.7272, 2.2962



20.2556, 20.7272, 0.0000



7.7070, 20.7272, 81.3320



19.1558, 20.7272, 144.5621

Sweetspot

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



40.2245, 20.7285, 2.2965



65.7792, 56.7078, 52.1310



51.8996, 24.7267, 94.1318



13.4199, 11.1672, 9.8640



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.



40.2245, 20.7285, 2.2965



41.3199, 21.2920, 2.3509



45.6393, 31.6842, 3.7123



17.2835, 17.2408, 18.0827



20.9691, 10.8034, 1.2797



1.9553, 1.0059, 0.1883

Inverse Universe

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



40.2245, 20.7285, 2.2965



41.3199, 21.2920, 2.3509



27.3686, 26.6230, 95.7907



17.2835, 17.2408, 18.0827



20.9691, 10.8034, 1.2797



1.9553, 1.0059, 0.1883

Previews

White Background



This preview shows how the XYZ color 40.2241, 20.7272, 2.2962 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 40.2241, 20.7272, 2.2962

Background



This preview shows how black text looks on a background with the XYZ color 40.2241, 20.7272, 2.2962.



This preview shows how white text looks on a background with the XYZ color 40.2241, 20.7272,

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

40.2241, 20.7272, 2.2962

Protanopia

19.2510, 21.1520, 4.8184

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.2241, 20.7272, 2.2962



Protanomaly

22.6926, 16.0408, 3.0626



Deuteranomaly

24.6736, 16.6562, 2.0581



Tritanomaly

39.9819, 20.8618, 2.0630

Monochromacy



Original Color

40.2241, 20.7272, 2.2962



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.7487, 8.1257, 4.3865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2241, 20.7272, 2.2962 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 14) }
```

Border

The CSS property to change the border of an element to XYZ 40.2241, 20.7272, 2.2962 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, 14) }
```


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

```
.border{ border-color:rgb(252, 0, 14) }
```

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, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.2241, 20.7272, 2.2962 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, 14) }
```

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

```
.background{ background-color: rgb(252, 0,  
14) }
```

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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