

Converting Colors

XYZ(41.4667, 21.2430, 7.9879)

Have a look what the booklet for
XYZ(41.4667, 21.2430, 7.9879)
contains.

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Color

**XYZ(41.3146, 21.1633,
8.0383)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0048
RGB	252, 0, 72
RGB Percent	99%, 0%, 28%
CMY	0.0118, 0.9997, 0.7176
CMYK	0.00, 1.00, 0.71, 0.01
HSL	343°, 100%, 49%
HSV	343°, 100%, 99%
XYZ	41.3146, 21.1633, 8.0383
YIQ	83.5560, 127.0800, 75.8160

Conversions

Conversions Part 2

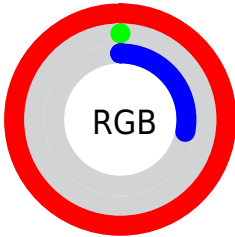
Format	Color
RYB	252, 0, 72
Decimal	16515144
CIELab	53.13, 80.79, 35.29
CIElCh	53, 88.160, 23.593
Yxy	21.1633, 0.5859, 0.3001
Android (android.graphics.Color)	4294705224 (0xFFFC0048)
YUV	83.5560, -5.6971, 147.7254
Hunter-Lab	46.0036, 79.7998, 21.8426

Details

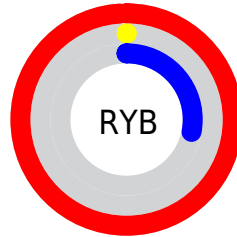
The XYZ color **41.3146, 21.1633, 8.0383** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.0558, 72.9188, 55.0200**, and the grayscale version is **8.3359, 8.7700, 9.5506**.

A 20% lighter version of the original color is **48.9049, 31.1655, 21.2073**, and **20.4715, 10.5278, 2.1155** is the 20% darker color. If you saturate the color by 10%, you get **41.3128, 21.1626, 8.0303**, and if you desaturate by 10%, it is **42.3437, 22.1403, 11.7157**.

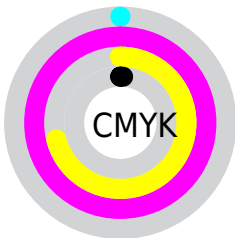
Distribution



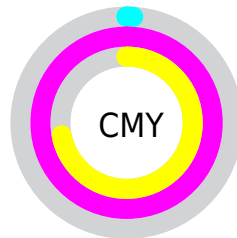
- Red (99%)
- Green (0%)
- Blue (28%)



- Red (99%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3146, 21.1633, 8.0383 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 41.3146, 21.1633, 8.0383 by changing the saturation by 10% instead.


 41.3146, 21.1633,
8.0383


 41.3146, 21.1633,
8.0383


342.6739,
258.1451, 185.9779


 28.7537, 13.2434,
4.0313


 76.4329, 45.3592,
22.5809

 19.0380, 7.5964,
1.6426


 99.7211, 62.4039,
33.9536

 11.8019, 3.8378,
0.3209


 127.3158, 83.2591,
48.6187

 6.6802, 1.5832,
0.0000

 159.5823,
108.3091, 66.9946

 3.3074, 0.3463,
0.0000

 196.8860,
137.9383, 89.5000

 1.3183, 0.0000,
0.0000

 239.5923,

 0.1969, 0.0000,

172.5311, 116.5533

0.0000

288.0665,
212.4719, 148.5731

■ 0.0000, 0.0000,
0.0000

■ 41.3146, 21.1633,
8.0383

■ 41.3146, 21.1633,
8.0383

■ 41.3128, 21.1626,
8.0303

■ 42.3437, 22.1403,
11.7157

■ 44.0125, 24.0995,
16.5220

■ 46.4729, 27.3250,
22.5683

■ 49.8207, 31.9908,
29.9420

■ 54.1375, 38.2432,
38.7216

■ 59.4951, 46.2104,
48.9787

■ 65.9581, 56.0075,
60.7799

■ 73.5862, 67.7392,
74.1874

■ 82.4341, 81.5026,
89.2601

Harmonies

Analogous

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



43.5864, 21.1633, 29.2330



41.3146, 21.1633, 8.0383



32.6818, 21.1633, 1.5272

Triad

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



41.3146, 21.1633, 8.0383



8.8955, 21.1633, 4.0682



18.1878, 21.1633, 120.3624

Complementary

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



41.3146, 21.1633, 8.0383



43.0558, 72.9188, 55.0200

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.



11.2701, 21.1633, 93.5586



41.3146, 21.1633, 8.0383



7.0776, 21.1633, 17.7954

Square

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



41.3146, 21.1633, 8.0383



13.7818, 21.1633, 0.7557



7.7885, 21.1633, 50.1662



28.1409, 21.1633, 108.8443

Rectangle

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



41.3146, 21.1633, 8.0383



25.5914, 21.1633, 0.4915



7.7885, 21.1633, 50.1662



15.4817, 21.1633, 115.1332

Sweetspot

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



41.3151, 21.1646, 8.0386



67.7255, 57.4863, 62.3805



35.5707, 16.3087, 93.3680



13.8665, 11.3458, 12.2156



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.



41.3151, 21.1646, 8.0386



42.4363, 21.7385, 8.2297



41.3051, 23.0156, 2.2673



17.4484, 17.3067, 18.9508



21.5749, 11.0457, 4.4701



2.0417, 1.0404, 0.6432

Inverse Universe

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



41.3151, 21.1646, 8.0386



42.4363, 21.7385, 8.2297



38.6012, 49.0881, 99.5354



17.4484, 17.3067, 18.9508



21.5749, 11.0457, 4.4701



2.0417, 1.0404, 0.6432

Previews

White Background



This preview shows how the XYZ color 41.3146, 21.1633, 8.0383 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 41.3146, 21.1633, 8.0383

Background



This preview shows how black text looks on a background with the XYZ color 41.3146, 21.1633, 8.0383.



This preview shows how white text looks on a background with the XYZ color 41.3146, 21.1633,

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

41.3146, 21.1633, 8.0383

Protanopia

20.3647, 21.6508, 17.0156

Deuteranopia

22.0470, 21.6058, 7.1460



Tritanopia

40.3777, 21.4498, 2.8227

Trichromacy



Original Color

41.3146, 21.1633, 8.0383



Protanomaly

23.3229, 16.1580, 12.4792



Deuteranomaly

25.6421, 17.1564, 6.8105



Tritanomaly

40.4002, 21.1019, 4.0416

Monochromacy



Original Color

41.3146, 21.1633, 8.0383



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.3981, 9.1451, 8.5957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3146, 21.1633, 8.0383 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 41.3146, 21.1633, 8.0383 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, 72) }
```


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

```
.border{ border-color:rgb(252, 0, 72) }
```

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, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.3146, 21.1633, 8.0383 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, 72) }
```

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

```
.background{ background-color: rgb(252, 0,  
72) }
```

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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