

Converting Colors

XYZ(40.7416, 21.1332, 4.4079)

Have a look what the booklet for
XYZ(40.7416, 21.1332, 4.4079)
contains.

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Color

**XYZ(40.7382, 21.1243,
4.4129)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0B2D
RGB	252, 11, 45
RGB Percent	99%, 4%, 18%
CMY	0.0118, 0.9566, 0.8235
CMYK	0.00, 0.96, 0.82, 0.01
HSL	352°, 98%, 52%
HSV	352°, 96%, 99%
XYZ	40.7382, 21.1243, 4.4129
YIQ	86.9350, 132.7220, 61.6660

Conversions

Conversions Part 2

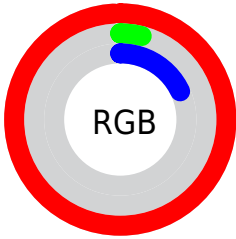
Format	Color
R_{YB}	252, 11, 45
Decimal	16517933
CIE Lab	53.09, 79.20, 50.41
CIE LCh	53, 93.887, 32.477
Yxy	21.1243, 0.6147, 0.3187
Android (android.graphics.Color)	4294708013 (0xFFFC0B2D)
YUV	86.9350, -20.6740, 144.7620
Hunter-Lab	45.9612, 77.7834, 26.4802

Details

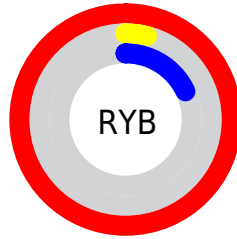
The XYZ color **40.7382, 21.1243, 4.4129** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **47.6126, 74.7573, 78.2957**, and the grayscale version is **9.0762, 9.5489, 10.3988**.

A 20% lighter version of the original color is **47.6336, 30.9564, 13.5898**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.4552, 20.8196, 3.5149**, and if you desaturate by 10%, it is **41.7862, 22.3744, 7.3718**.

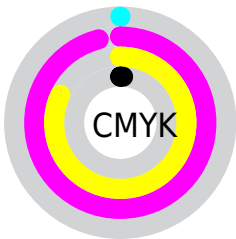
Distribution



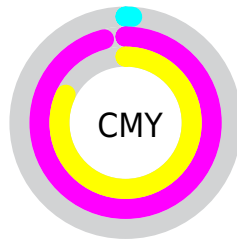
- Red (99%)
- Green (4%)
- Blue (18%)



- Red (99%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (96%)
- Yellow (82%)
- Black (1%)





- Cyan (1%)
- Magenta (96%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7382, 21.1243, 4.4129 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 40.7382, 21.1243, 4.4129 by changing the saturation by 10% instead.

 40.7382, 21.1243,
4.4129


 40.7382, 21.1243,
4.4129


340.3065,
257.9383, 152.7098


 28.3013, 13.2149,
1.8545

 75.5635, 45.2943,
14.9514


 18.6946, 7.5767,
0.4635


 98.6827, 62.3237,
23.7685

 11.5525, 3.8253,
0.0000


 126.0934, 83.1619,
35.5089

 6.5097, 1.5763,
0.0000

 158.1609,
108.1932, 50.5912

 3.2010, 0.3416,
0.0000

 195.2506,
137.8022, 69.4339

 1.2609, 0.0000,
0.0000

 237.7279,

 0.1537, 0.0000,

172.3731, 92.4555

0.0000

285.9581,
212.2903, 120.0747

■ 0.0000, 0.0000,
0.0000

■ 40.7382, 21.1243,
4.4129

■ 40.7382, 21.1243,
4.4129

■ 40.4552, 20.8196,
3.5149

■ 41.7862, 22.3744,
7.3718

■ 43.6124, 24.7926,
11.7851

■ 46.3378, 28.5828,
17.8132

■ 50.0619, 33.9096,
25.5946

■ 54.8707, 40.9142,
35.2526

60.8407, 49.7218,
46.8994

68.0415, 60.4456,
60.6381

76.5373, 73.1896,
76.5648

86.3876, 88.0501,
94.7696

Harmonies

Analogous

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



45.6554, 21.1243, 20.7295



40.7382, 21.1243, 4.4129



30.1947, 21.1243, 0.5778

Triad

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



40.7382, 21.1243, 4.4129



7.5064, 21.1243, 5.9104



20.9099, 21.1243, 131.3621

Complementary

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



40.7382, 21.1243, 4.4129



47.6126, 74.7573, 78.2957

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.



12.5186, 21.1243, 112.8062



40.7382, 21.1243, 4.4129



6.4536, 21.1243, 25.4321

Square

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



40.7382, 21.1243, 4.4129



11.5096, 21.1243, 0.8615



7.9404, 21.1243, 66.3099



32.0992, 21.1243, 106.1566

Rectangle

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



40.7382, 21.1243, 4.4129



22.6685, 21.1243, 0.0000



7.9404, 21.1243, 66.3099



17.6928, 21.1243, 130.0330

Sweetspot

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



40.7387, 21.1256, 4.4132



67.2293, 58.1102, 57.2319



45.9684, 21.8467, 93.8887



13.7207, 11.4419, 10.9718



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.



40.7387, 21.1256, 4.4132



41.5571, 21.3868, 3.5999



44.3331, 28.9752, 3.5748



17.3442, 17.2650, 18.4021



21.1049, 10.8577, 1.9948



1.9840, 1.0173, 0.3393

Inverse Universe

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



40.7387, 21.1256, 4.4132



41.5571, 21.3868, 3.5999



31.6518, 34.9846, 97.1791



17.3442, 17.2650, 18.4021



21.1049, 10.8577, 1.9948



1.9840, 1.0173, 0.3393

Previews

White Background



This preview shows how the XYZ color 40.7382, 21.1243, 4.4129 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 40.7382, 21.1243, 4.4129

Background



This preview shows how black text looks on a background with the XYZ color 40.7382, 21.1243, 4.4129.



This preview shows how white text looks on a background with the XYZ color 40.7382, 21.1243,

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

40.7382, 21.1243, 4.4129

Protanopia

19.6717, 21.4687, 9.0683

Deuteranopia

21.6801, 21.3097, 3.7296



Tritanopia

40.0706, 21.0830, 1.9575

Trichromacy



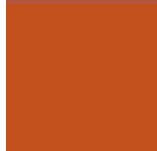
Original Color

40.7382, 21.1243, 4.4129



Protanomaly

23.1741, 16.6686, 6.5534



Deuteranomaly

25.4249, 17.4479, 3.2560



Tritanomaly

40.0935, 20.9793, 2.4264

Monochromacy



Original Color

40.7382, 21.1243, 4.4129



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.7663, 9.7989, 7.2440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7382, 21.1243, 4.4129 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, 11, 45)` looks like.

```
.text, #text, p{  
    color:rgb(252, 11, 45)  
}
```

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, 11, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 11, 45) }
```

Border

The CSS property to change the border of an element to XYZ 40.7382, 21.1243, 4.4129 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, 11, 45) }
```


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

```
.border{ border-color:rgb(252, 11, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 11, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 11, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 11, 45);  
box-shadow:4px 4px 4px 4px rgb(252, 11,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7382, 21.1243, 4.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 11, 45) }
```

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

```
.background{ background-color: rgb(252, 11,  
45) }
```

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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