

Converting Colors

XYZ(40.9166, 21.0462, 1.9340)

Have a look what the booklet for
XYZ(40.9166, 21.0462, 1.9340)
contains.

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Color

**XYZ(40.8785, 21.0730,
1.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	FE0001
RGB	254, 0, 1
RGB Percent	100%, 0%, 0%
CMY	0.0039, 0.9997, 0.9961
CMYK	0.00, 1.00, 1.00, 0.00
HSL	360°, 100%, 50%
HSV	360°, 100%, 100%
XYZ	40.8785, 21.0730, 1.9417
YIQ	76.0600, 151.0630, 54.1590

Conversions

Conversions Part 2

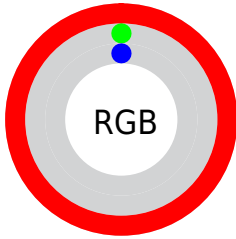
Format	Color
R_{YB}	254, 0, 1
Decimal	16646145
CIE Lab	53.03, 79.88, 66.76
CIE LCh	53, 104.105, 39.890
Yxy	21.0730, 0.6398, 0.3298
Android (android.graphics.Color)	4294836225 (0xFFFE0001)
YUV	76.0600, -37.0046, 156.0534
Hunter-Lab	45.9053, 78.6191, 29.6259

Details

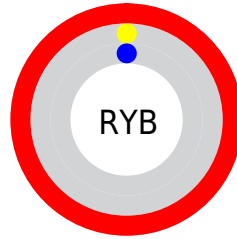
The XYZ color **40.8785, 21.0730, 1.9417** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **53.1827, 77.9796, 105.2332**, and the grayscale version is **6.9340, 7.2951, 7.9443**.

A 20% lighter version of the original color is **46.2123, 29.9415, 7.4813**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **40.8778, 21.0727, 1.9397**, and if you desaturate by 10%, it is **41.4204, 21.8621, 3.0322**.

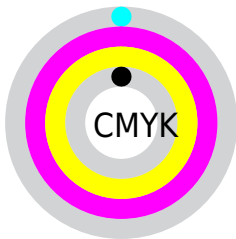
Distribution



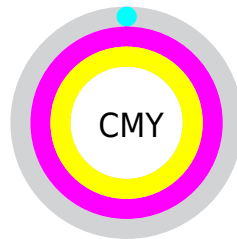
- Red (100%)
- Green (0%)
- Blue (0%)



- Red (100%)
- Yellow (0%)
- Blue (0%)



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





- Cyan (0%)
- Magenta (100%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8785, 21.0730, 1.9417 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 40.8785, 21.0730, 1.9417 by changing the saturation by 10% instead.


 40.8785, 21.0730,
1.9417


 40.8785, 21.0730,
1.9417


 340.8838,
257.6662, 121.4648


 28.4114, 13.1774,
0.5191


 75.7753, 45.2090,
8.8808

 18.7781, 7.5508,
0.0000


 98.9357, 62.2182,
15.2993

 11.6131, 3.8089,
0.0000


 126.3913, 83.0339,
24.2420

 6.5511, 1.5672,
0.0000

 158.5073,
108.0408, 36.1272

 3.2268, 0.3354,
0.0000

 195.6493,
137.6230, 51.3735


 1.2748, 0.0000,
0.0000

 238.1824,


 0.1642, 0.0000,


172.1651, 70.3996


0.0000


 286.4722,
212.0513, 93.6238


 0.0000, 0.0000,
0.0000


 40.8785, 21.0730,
1.9417

 40.8785, 21.0730,
1.9417


 40.8778, 21.0727,
1.9397

 41.4204, 21.8621,
3.0322

 42.6621, 23.6714,
5.5241

 44.8126, 26.8115,
9.8200

 48.0013, 31.4725,
16.1748

 52.3369, 37.8137,
24.8025

■ 57.9141, 45.9746,
35.8903

■ 64.8180, 56.0799,
49.6062

■ 73.1262, 68.2435,
66.1032

■ 82.9103, 82.5704,
85.5228

Harmonies

Analogous

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



48.6998, 21.0730, 14.0793



40.8785, 21.0730, 1.9417



28.1623, 21.0730, 0.0000

Triad

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



40.8785, 21.0730, 1.9417



6.0631, 21.0730, 7.8448



23.8615, 21.0730, 148.0561

Complementary

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



40.8785, 21.0730, 1.9417



53.1827, 77.9796, 105.2332

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.



13.6354, 21.0730, 138.6411



40.8785, 21.0730, 1.9417



5.6365, 21.0730, 34.9178

Square

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



40.8785, 21.0730, 1.9417



9.3455, 21.0730, 0.8077



7.8411, 21.0730, 87.2703



36.7638, 21.0730, 107.0859

Rectangle

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



40.8785, 21.0730, 1.9417



20.0697, 21.0730, 0.0000



7.8411, 21.0730, 87.2703



19.9889, 21.0730, 151.1786

Sweetspot

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



40.8789, 21.0744, 1.9420



65.3746, 56.5459, 50.0005



57.2308, 27.4382, 96.0448



13.3285, 11.1306, 9.3825



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.



40.8789, 21.0744, 1.9420



41.2451, 21.2621, 1.9570



47.9316, 35.1878, 4.2677



18.0121, 17.9882, 18.6811



21.5526, 11.1103, 1.0287



2.0994, 1.0821, 0.1049

Inverse Universe

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



40.8789, 21.0744, 1.9420



41.2451, 21.2621, 1.9570



26.0423, 23.4605, 96.9208



18.0121, 17.9882, 18.6811



21.5526, 11.1103, 1.0287



2.0994, 1.0821, 0.1049

Previews

White Background



This preview shows how the XYZ color 40.8785, 21.0730, 1.9417 looks on a white background.

Color Contrast Check

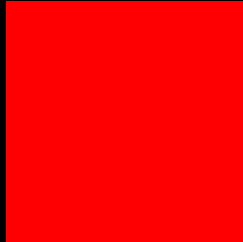
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8785, 21.0730, 1.9417 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 40.8785, 21.0730, 1.9417

Background



This preview shows how black text looks on a background with the XYZ color 40.8785, 21.0730, 1.9417.



This preview shows how white text looks on a background with the XYZ color 40.8785, 21.0730,

1.9417.

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

40.8785, 21.0730, 1.9417

Protanopia

19.4953, 21.4774, 4.5569

Deuteranopia

21.6575, 21.4961, 3.0077



Tritanopia

40.4715, 21.3487, 1.9876

Trichromacy



Original Color

40.8785, 21.0730, 1.9417

Protanomaly

22.8450, 16.1293, 2.6187

Deuteranomaly

25.2301, 17.0509, 1.9614

Tritanomaly

40.6788, 21.2243, 1.9527

Monochromacy



Original Color

40.8785, 21.0730, 1.9417

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.5958, 7.9984, 3.7857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8785, 21.0730, 1.9417 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(254, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 1)  
}
```

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(254, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 40.8785, 21.0730, 1.9417 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(254, 0, 1) }
```


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

```
.border{ border-color:rgb(254, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(254, 0, 1); box-shadow:4px  
4px 4px 4px rgb(254, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8785, 21.0730, 1.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 1) }
```

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

```
.background{ background-color: rgb(254, 0,  
1) }
```

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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