

Converting Colors

XYZ(40.9130, 21.0462, 1.8858)

Have a look what the booklet for
XYZ(40.9130, 21.0462, 1.8858)
contains.

XYZ(40.8731, 21.0708, 1.9128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.8731, 21.0708,
1.9128)**

Conversions

Conversions Part 1

Format	Color
Hex	FE0000
RGB	254, 0, 0
RGB Percent	100%, 0%, 0%
CMY	0.0039, 0.9997, 1.0000
CMYK	0.00, 1.00, 1.00, 0.00
HSL	0°, 100%, 50%
HSV	0°, 100%, 100%
XYZ	40.8731, 21.0708, 1.9128
YIQ	75.9460, 151.3840, 53.8480

Conversions

Conversions Part 2

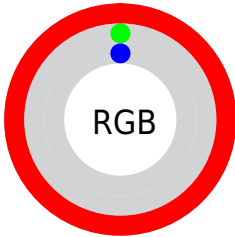
Format	Color
RYB	254, 0, 0
Decimal	16646144
CIELab	53.03, 79.87, 67.02
CIELCh	53, 104.265, 40.000
Yxy	21.0708, 0.6401, 0.3300
Android (android.graphics.Color)	4294836224 (0xFFFE0000)
YUV	75.9460, -37.4414, 156.1534
Hunter-Lab	45.9029, 78.6106, 29.6614

Details

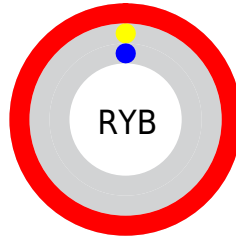
The XYZ color **40.8731, 21.0708, 1.9128** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **53.3097, 77.9966, 106.0105**, and the grayscale version is **6.9134, 7.2734, 7.9208**.

A 20% lighter version of the original color is **46.1866, 29.9312, 7.3460**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **40.8735, 21.0722, 1.9131**, and if you desaturate by 10%, it is **41.4102, 21.8577, 2.9789**.

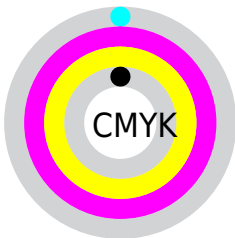
Distribution



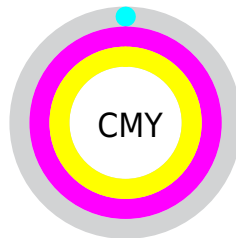
- Red (100%)
- Green (0%)
- Blue (0%)



- 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 40.8731, 21.0708, 1.9128 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 40.8731, 21.0708, 1.9128 by changing the saturation by 10% instead.

 40.8731, 21.0708,
1.9128


 40.8731, 21.0708,
1.9128


 340.8616,
257.6545, 121.0077


 28.4072, 13.1758,
0.5009


 75.7671, 45.2053,
8.8010

 18.7748, 7.5497,
0.0000


 98.9260, 62.2136,
15.1846


 11.6107, 3.8082,
0.0000


 126.3798, 83.0285,
24.0860

 6.5495, 1.5669,
0.0000

 158.4940,
108.0342, 35.9236

 3.2258, 0.3351,
0.0000

 195.6339,
137.6153, 51.1161


 1.2743, 0.0000,
0.0000

 238.1649,


 0.1638, 0.0000,


172.1561, 70.0819


0.0000


 286.4524,
212.0411, 93.2396


 0.0000, 0.0000,
0.0000


 40.8731, 21.0708,
1.9128


 40.8731, 21.0708,
1.9128


 40.8735, 21.0722,
1.9131

 41.4102, 21.8577,
2.9789

 42.6434, 23.6629,
5.4288

 44.7858, 26.7983,
9.6862

 47.9674, 31.4543,
16.0098

 52.2973, 37.7904,
24.6167

■ 57.8708, 45.9461,
35.6963

■ 64.7733, 56.0463,
49.4184

■ 73.0825, 68.2048,
65.9380

■ 82.8705, 82.5267,
85.3978

Harmonies

Analogous

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



48.7409, 21.0708, 13.9838



40.8731, 21.0708, 1.9128



28.1258, 21.0708, 0.0000

Triad

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



40.8731, 21.0708, 1.9128



6.0423, 21.0708, 7.8815



23.9103, 21.0708, 148.2940

Complementary

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



40.8731, 21.0708, 1.9128



53.3097, 77.9966, 106.0105

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.



13.6547, 21.0708, 139.0536



40.8731, 21.0708, 1.9128



5.6250, 21.0708, 35.0872

Square

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



40.8731, 21.0708, 1.9128



9.3131, 21.0708, 0.8078



7.8407, 21.0708, 87.6263



36.8383, 21.0708, 107.0691

Rectangle

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



40.8731, 21.0708, 1.9128



20.0271, 21.0708, 0.0000



7.8407, 21.0708, 87.6263



20.0272, 21.0708, 151.4956

Sweetspot

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



40.8735, 21.0722, 1.9131



65.3503, 56.5426, 49.8527



58.7621, 28.2264, 96.1165



13.3230, 11.1299, 9.3492



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.



40.8735, 21.0722, 1.9131



41.2407, 21.2615, 1.9302



48.4622, 36.2494, 4.4426



18.0098, 17.9879, 18.6671



21.5493, 11.1099, 1.0086



2.0983, 1.0820, 0.0983

Inverse Universe

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



53.3097, 77.9966, 106.0105



53.7887, 78.6973, 106.9629



25.4787, 22.3345, 96.7335



18.5545, 20.4806, 23.2252



28.1059, 41.1214, 55.8905



2.7367, 4.0041, 5.4419

Previews

White Background



This preview shows how the XYZ color 40.8731, 21.0708, 1.9128 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 40.8731, 21.0708, 1.9128

Background



This preview shows how black text looks on a background with the XYZ color 40.8731, 21.0708, 1.9128.



This preview shows how white text looks on a background with the XYZ color 40.8731, 21.0708,

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

40.8731, 21.0708, 1.9128

Protanopia

19.4953, 21.4774, 4.5569

Deuteranopia

21.6575, 21.4961, 3.0077



Tritanopia

40.4715, 21.3487, 1.9876

Trichromacy



Original Color

40.8731, 21.0708, 1.9128

Protanomaly

22.8450, 16.1293, 2.6187

Deuteranomaly

25.2301, 17.0509, 1.9614

Tritanomaly

40.6788, 21.2243, 1.9527

Monochromacy



Original Color

40.8731, 21.0708, 1.9128

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.5750, 7.9900, 3.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8731, 21.0708, 1.9128 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 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(254, 0, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 40.8731, 21.0708, 1.9128 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 40.8731, 21.0708, 1.9128 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, 0) }
```

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

```
.background{ background-color: rgb(254, 0,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor