

Converting Colors

XYZ(41.7930, 21.4812, 4.8419)

Have a look what the booklet for
XYZ(41.7930, 21.4812, 4.8419)
contains.

XYZ(41.7944, 21.4818, 4.8493)	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(41.7944, 21.4818,
4.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0031
RGB	255, 0, 49
RGB Percent	100%, 0%, 19%
CMY	0.0000, 0.9997, 0.8078
CMYK	0.00, 1.00, 0.81, 0.00
HSL	348°, 100%, 50%
HSV	348°, 100%, 100%
XYZ	41.7944, 21.4818, 4.8493
YIQ	81.8310, 136.2510, 69.2990

Conversions

Conversions Part 2

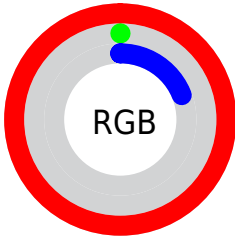
Format	Color
RYB	255, 0, 49
Decimal	16711729
CIELab	53.47, 80.76, 48.89
CIElCh	53, 94.408, 31.187
Yxy	21.4818, 0.6135, 0.3153
Android (android.graphics.Color)	4294901809 (0xFFFF0031)
YUV	81.8310, -16.1857, 151.8692
Hunter-Lab	46.3485, 79.8513, 26.2406

Details

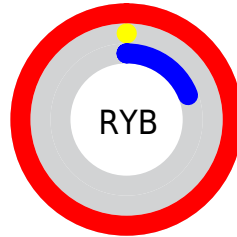
The XYZ color **41.7944, 21.4818, 4.8493** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.9100, 75.9797, 70.6314**, and the grayscale version is **8.0065, 8.4235, 9.1731**.

A 20% lighter version of the original color is **47.6260, 30.6539, 14.4730**, and **20.7664, 10.7023, 1.1148** is the 20% darker color. If you saturate the color by 10%, you get **41.7928, 21.4811, 4.8428**, and if you desaturate by 10%, it is **42.6928, 22.4171, 7.8061**.

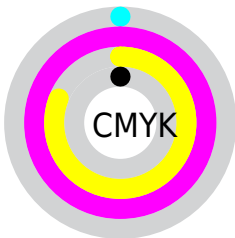
Distribution



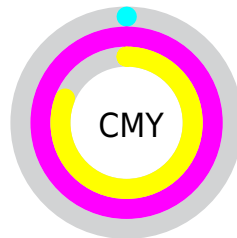
- Red (100%)
- Green (0%)
- Blue (19%)



- Red (100%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7944, 21.4818, 4.8493 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 41.7944, 21.4818, 4.8493 by changing the saturation by 10% instead.


 41.7944, 21.4818,
4.8493


 41.7944, 21.4818,
4.8493


344.6361,
259.8280, 157.2433


 29.1307, 13.4766,
2.1019


 77.1555, 45.8880,
15.9254


 19.3245, 7.7576,
0.6169


 100.5836, 63.0579,
25.0913

 12.0104, 3.9402,
0.0000


 128.3306, 84.0514,
37.2337

 6.8230, 1.6402,
0.0000

 160.7618,
109.2530, 52.7712

 3.3970, 0.3845,
0.0000

 198.2426,
139.0470, 72.1224

 1.3670, 0.0000,
0.0000

 241.1384,

 0.2325, 0.0000,

173.8180, 95.7058

0.0000

289.8144,
213.9502, 123.9399

■ 0.0000, 0.0000,
0.0000

■ 41.7944, 21.4818,
4.8493

■ 41.7944, 21.4818,
4.8493

■ 41.7928, 21.4811,
4.8428

■ 42.6928, 22.4171,
7.8061

■ 44.2812, 24.3757,
12.0913

■ 46.7230, 27.6517,
17.8610

■ 50.1237, 32.4270,
25.2407

■ 54.5731, 38.8548,
34.3417

■ 60.1503, 47.0690,
45.2652

■ 66.9267, 57.1899,
58.1043

■ 74.9677, 69.3271,
72.9458

■ 84.3339, 83.5822,
89.8711

Harmonies

Analogous

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



46.4499, 21.4818, 22.2627



41.7944, 21.4818, 4.8493



31.2106, 21.4818, 0.6624

Triad

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



41.7944, 21.4818, 4.8493



7.7410, 21.4818, 5.5783



20.8206, 21.4818, 133.7009

Complementary

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



41.7944, 21.4818, 4.8493



46.9100, 75.9797, 70.6314

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.



12.4533, 21.4818, 113.0185



41.7944, 21.4818, 4.8493



6.5569, 21.4818, 24.5548

Square

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



41.7944, 21.4818, 4.8493



11.9615, 21.4818, 0.7992



7.9525, 21.4818, 65.3088



32.1393, 21.4818, 109.7747

Rectangle

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



41.7944, 21.4818, 4.8493



23.5216, 21.4818, 0.0000



7.9525, 21.4818, 65.3088



17.5998, 21.4818, 131.6620

Sweetspot

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



41.7949, 21.4832, 4.8496



66.9061, 57.1585, 58.0652



42.9563, 20.0609, 96.2151



13.6772, 11.2701, 11.2190



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.



41.7949, 21.4832, 4.8496



41.7931, 21.4813, 4.8428



43.8626, 26.5051, 2.8063



18.1518, 18.0440, 19.4166



21.8781, 11.2405, 2.7427



2.1659, 1.1087, 0.4553

Inverse Universe

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



41.7949, 21.4832, 4.8496



41.7931, 21.4813, 4.8428



34.0751, 39.2690, 100.3908



18.1518, 18.0440, 19.4166



21.8781, 11.2405, 2.7427



2.1659, 1.1087, 0.4553

Previews

White Background



This preview shows how the XYZ color 41.7944, 21.4818, 4.8493 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 41.7944, 21.4818, 4.8493

Background



This preview shows how black text looks on a background with the XYZ color 41.7944, 21.4818, 4.8493.



This preview shows how white text looks on a background with the XYZ color 41.7944, 21.4818,

4.8493.

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

41.7944, 21.4818, 4.8493

Protanopia

20.1393, 21.8850, 10.0003

Deuteranopia

22.2856, 21.7943, 4.1945



Tritanopia

41.1600, 21.6446, 2.0085

Trichromacy



Original Color

41.7944, 21.4818, 4.8493

Protanomaly

23.2921, 16.3730, 7.0869

Deuteranomaly

25.8078, 17.3119, 3.6504

Tritanomaly

41.1393, 21.4286, 2.5401

Monochromacy



Original Color

41.7944, 21.4818, 4.8493

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

14.0105, 8.9179, 6.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7944, 21.4818, 4.8493 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(255, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 49)  
}
```

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(255, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 41.7944, 21.4818, 4.8493 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(255, 0, 49) }
```


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

```
.border{ border-color:rgb(255, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.7944, 21.4818, 4.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 49) }
```

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

```
.background{ background-color: rgb(255, 0,  
49) }
```

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