

Converting Colors

XYZ(41.7769, 22.2443, 2.3846)

Have a look what the booklet for
XYZ(41.7769, 22.2443, 2.3846)
contains.

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Color

**XYZ(41.7848, 22.2619,
2.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F0A
RGB	255, 31, 10
RGB Percent	100%, 12%, 4%
CMY	0.0000, 0.8783, 0.9608
CMYK	0.00, 0.88, 0.96, 0.00
HSL	5°, 100%, 52%
HSV	5°, 96%, 100%
XYZ	41.7848, 22.2619, 2.3818
YIQ	95.5820, 140.2450, 40.9570

Conversions

Conversions Part 2

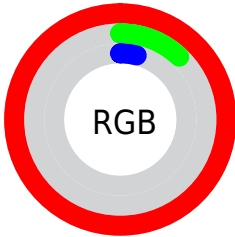
Format	Color
R_{YB}	255, 33, 10
Decimal	16719626
CIE _{Lab}	54.30, 77.15, 65.28
CIE _{LCh}	54, 101.064, 40.235
Yxy	22.2619, 0.6290, 0.3351
Android (android.graphics.Color)	4294909706 (0xFFFF1F0A)
YUV	95.5820, -42.1919, 139.8096
Hunter-Lab	47.1825, 75.5101, 30.0348

Details

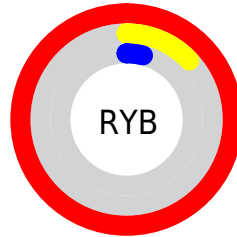
The XYZ color **41.7848, 22.2619, 2.3818** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **47.5892, 66.1128, 104.8599**, and the grayscale version is **11.0957, 11.6735, 12.7125**.

A 20% lighter version of the original color is **47.2457, 31.7448, 8.6383**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5245, 21.8294, 2.0249**, and if you desaturate by 10%, it is **42.8857, 24.0544, 4.0120**.

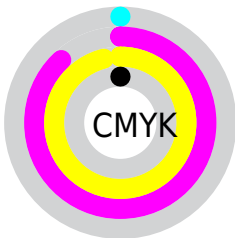
Distribution



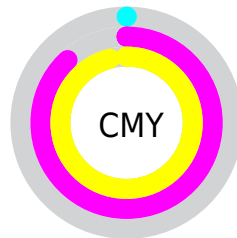
- Red (100%)
- Green (12%)
- Blue (4%)



- Red (100%)
- Yellow (13%)
- Blue (4%)



- Cyan (0%)
- Magenta (88%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (88%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7848, 22.2619, 2.3818 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 41.7848, 22.2619, 2.3818 by changing the saturation by 10% instead.


 41.7848, 22.2619,
2.3818

 41.7848, 22.2619,
2.3818

344.5969,
263.9109, 128.0491


 29.1232, 14.0495,
0.7765


 77.1410, 47.1785,
10.0605

 19.3188, 8.1551,
0.0000


 100.5664, 64.6514,
16.9830


 12.0062, 4.1943,
0.0000


 128.3103, 85.9800,
26.5189

 6.8201, 1.7829,
0.0000

 160.7383,
111.5486, 39.0868

 3.3952, 0.4765,
0.0000

 198.2155,
141.7415, 55.1052

 1.3660, 0.0000,
0.0000

 241.1075,


 0.2318, 0.0000,


176.9433, 74.9927


0.0000


 289.7795,
217.5383, 99.1678


 0.0000, 0.0000,
0.0000


 41.7848, 22.2619,
2.3818

 41.7848, 22.2619,
2.3818


 41.5245, 21.8294,
2.0249

 42.8857, 24.0544,
4.0120

 44.7818, 26.9963,
7.2655

 47.5898, 31.2401,
12.4319

 51.4065, 36.9140,
19.7450

 56.3161, 44.1305,
29.4054

■ 62.3940, 52.9911,
41.5902

■ 69.7090, 63.5886,
56.4599

■ 78.3242, 76.0087,
74.1614

■ 88.2988, 90.3316,
94.8311

Harmonies

Analogous

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



49.5783, 22.2619, 14.9838



41.7848, 22.2619, 2.3818



29.1562, 22.2619, 0.0000

Triad

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



41.7848, 22.2619, 2.3818



6.8350, 22.2619, 8.9738



25.1481, 22.2619, 146.2501

Complementary

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



41.7848, 22.2619, 2.3818



47.5892, 66.1128, 104.8599

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.



14.7772, 22.2619, 137.7779



41.7848, 22.2619, 2.3818



6.4153, 22.2619, 36.6868

Square

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



41.7848, 22.2619, 2.3818



10.2191, 22.2619, 1.1642



8.7633, 22.2619, 88.2784



37.9908, 22.2619, 106.2365

Rectangle

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



41.7848, 22.2619, 2.3818



21.0727, 22.2619, 0.0000



8.7633, 22.2619, 88.2784



21.2461, 22.2619, 149.4690

Sweetspot

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



41.7853, 22.2633, 2.3821



67.4404, 60.3078, 51.8290



56.2834, 27.4510, 80.6136



13.7680, 11.9419, 9.7377



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.



41.7853, 22.2633, 2.3821



41.5248, 21.8296, 2.0249



52.6721, 44.0369, 6.0110



18.1347, 18.2375, 18.7087



21.7403, 11.4918, 1.0723



2.1575, 1.2004, 0.1180

Inverse Universe

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



47.5892, 66.1128, 104.8599



47.2206, 65.5612, 104.7735



23.9784, 18.8912, 96.9896



18.4137, 20.1989, 23.1782



24.7292, 34.3679, 54.7649



2.4454, 3.4215, 5.3448

Previews

White Background



This preview shows how the XYZ color 41.7848, 22.2619, 2.3818 looks on a white background.

Color Contrast Check

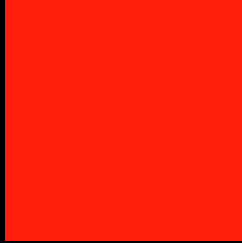
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7848, 22.2619, 2.3818 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 41.7848, 22.2619, 2.3818

Background



This preview shows how black text looks on a background with the XYZ color 41.7848, 22.2619, 2.3818.



This preview shows how white text looks on a background with the XYZ color 41.7848, 22.2619,

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

41.7848, 22.2619, 2.3818

Protanopia

20.2591, 22.4591, 4.7806

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

41.8691, 22.2545, 2.9530

Trichromacy



Original Color

41.7848, 22.2619, 2.3818

Protanomaly

24.5174, 18.6937, 3.2357

Deuteranomaly

26.7040, 19.1914, 2.4117

Tritanomaly

41.8218, 22.2356, 2.7037

Monochromacy



Original Color

41.7848, 22.2619, 2.3818

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

16.5979, 11.8864, 6.4205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7848, 22.2619, 2.3818 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, 31, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 10)  
}
```

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, 31, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 10) }
```

Border

The CSS property to change the border of an element to XYZ 41.7848, 22.2619, 2.3818 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, 31, 10) }
```


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

```
.border{ border-color:rgb(255, 31, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7848, 22.2619, 2.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 10) }
```

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

```
.background{ background-color: rgb(255, 31,  
10) }
```

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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