

Converting Colors

XYZ(41.8282, 22.2127, 2.8156)

Have a look what the booklet for
XYZ(41.8282, 22.2127, 2.8156)
contains.

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Color

**XYZ(41.8147, 22.1929,
2.7892)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1D15
RGB	255, 29, 21
RGB Percent	100%, 11%, 8%
CMY	0.0000, 0.8861, 0.9176
CMYK	0.00, 0.89, 0.92, 0.00
HSL	2°, 100%, 54%
HSV	2°, 92%, 100%
XYZ	41.8147, 22.1929, 2.7892
YIQ	95.6620, 137.2640, 45.4240

Conversions

Conversions Part 2

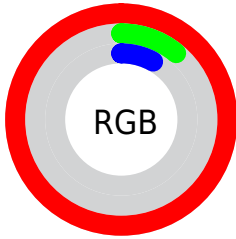
Format	Color
RYB	255, 29, 21
Decimal	16719125
CIELab	54.23, 77.56, 62.13
CIELCh	54, 99.375, 38.698
Yxy	22.1929, 0.6260, 0.3322
Android (android.graphics.Color)	4294909205 (0xFFFF1D15)
YUV	95.6620, -36.8084, 139.7394
Hunter-Lab	47.1093, 75.9970, 29.4662

Details

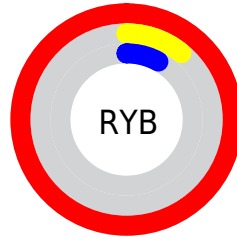
The XYZ color **41.8147, 22.1929, 2.7892** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **51.6094, 73.8800, 106.1471**, and the grayscale version is **11.1034, 11.6816, 12.7213**.

A 20% lighter version of the original color is **47.3600, 31.6285, 9.7397**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3346, 21.4498, 1.9617**, and if you desaturate by 10%, it is **43.0460, 24.0676, 5.0135**.

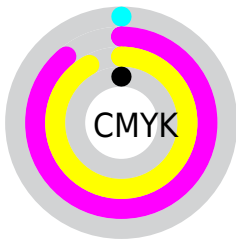
Distribution



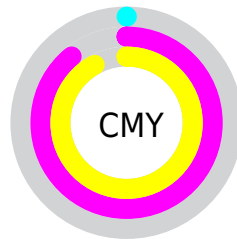
- Red (100%)
- Green (11%)
- Blue (8%)



- Red (100%)
- Yellow (11%)
- Blue (8%)



- Cyan (0%)
- Magenta (89%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8147, 22.1929, 2.7892 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 41.8147, 22.1929, 2.7892 by changing the saturation by 10% instead.

 41.8147, 22.1929,
2.7892


 41.8147, 22.1929,
2.7892


344.7189,
263.5520, 133.6288


 29.1467, 13.9987,
0.9880


 77.1860, 47.0646,
11.1037


 19.3367, 8.1198,
0.0000


 100.6201, 64.5109,
18.4541

 12.0192, 4.1717,
0.0000


 128.3735, 85.8101,
28.4913

 6.8291, 1.7701,
0.0000

 160.8117,
111.3464, 41.6339

 3.4008, 0.4684,
0.0000

 198.2999,
141.5044, 58.3004

 1.3691, 0.0000,
0.0000

 241.2037,


 0.2340, 0.0000,


176.6684, 78.9094


0.0000


 289.8882,
217.2228, 103.8793


 0.0000, 0.0000,
0.0000


 41.8147, 22.1929,
2.7892


 41.8147, 22.1929,
2.7892


 41.3346, 21.4498,
1.9617

 43.0460, 24.0676,
5.0135

 45.1538, 27.2167,
9.0044

 48.2617, 31.8142,
15.0289

 52.4729, 38.0062,
23.3091

 57.8781, 45.9209,
34.0379

64.5583, 55.6733,
47.3876

72.5877, 67.3688,
63.5151

82.0345, 81.1046,
82.5648

92.9625, 96.9715,
104.6712

Harmonies

Analogous

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



49.0123, 22.1929, 16.2375



41.8147, 22.1929, 2.7892



29.5760, 22.1929, 0.0641

Triad

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



41.8147, 22.1929, 2.7892



7.0554, 22.1929, 8.3547



24.3938, 22.1929, 143.5832

Complementary

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



41.8147, 22.1929, 2.7892



51.6094, 73.8800, 106.1471

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.



14.4113, 22.1929, 132.7767



41.8147, 22.1929, 2.7892



6.5018, 22.1929, 34.3244

Square

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



41.8147, 22.1929, 2.7892



10.5891, 22.1929, 1.1227



8.6800, 22.1929, 83.7108



36.9297, 22.1929, 106.6849

Rectangle

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



41.8147, 22.1929, 2.7892



21.5691, 22.1929, 0.0000



8.6800, 22.1929, 83.7108



20.6253, 22.1929, 145.7888

Sweetspot

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



41.8152, 22.1943, 2.7895



67.4195, 59.8433, 53.1254



58.3270, 28.5238, 90.5883



13.7321, 11.7909, 9.9705



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.



41.8152, 22.1943, 2.7895



41.3350, 21.4500, 1.9617



51.6230, 41.8100, 6.0588



18.0594, 18.0869, 18.6836



21.6201, 11.2513, 1.0322



2.1219, 1.1291, 0.1061

Inverse Universe

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



51.6094, 73.8800, 106.1471



51.0806, 73.2812, 106.0602



26.3683, 23.3978, 97.7334



18.4983, 20.3681, 23.2064



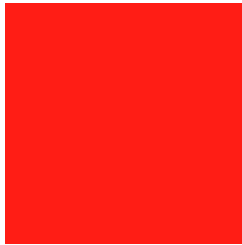
26.7145, 38.3386, 55.4267



2.6172, 3.7651, 5.4021

Previews

White Background



This preview shows how the XYZ color 41.8147, 22.1929, 2.7892 looks on a white background.

Color Contrast Check

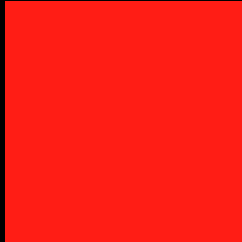
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8147, 22.1929, 2.7892 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 41.8147, 22.1929, 2.7892

Background



This preview shows how black text looks on a background with the XYZ color 41.8147, 22.1929, 2.7892.



This preview shows how white text looks on a background with the XYZ color 41.8147, 22.1929, 2.7892.

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

41.8147, 22.1929, 2.7892

Protanopia

20.3883, 22.5108, 5.4609

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

41.8242, 22.1967, 2.8391

Trichromacy



Original Color

41.8147, 22.1929, 2.7892

Protanomaly

24.5411, 18.5600, 3.8024

Deuteranomaly

26.6422, 19.0326, 2.4992

Tritanomaly

41.8242, 22.1967, 2.8391

Monochromacy



Original Color

41.8147, 22.1929, 2.7892

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

16.7180, 11.9344, 7.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8147, 22.1929, 2.7892 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, 29, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 21)  
}
```

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, 29, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 21) }
```

Border

The CSS property to change the border of an element to XYZ 41.8147, 22.1929, 2.7892 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, 29, 21) }
```


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

```
.border{ border-color:rgb(255, 29, 21) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8147, 22.1929, 2.7892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 21) }
```

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

```
.background{ background-color: rgb(255, 29,  
21) }
```

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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