

Converting Colors

XYZ(41.7019, 21.9353, 2.8497)

Have a look what the booklet for
XYZ(41.7019, 21.9353, 2.8497)
contains.

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Color

**XYZ(41.7011, 21.9347,
2.8465)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1717
RGB	255, 23, 23
RGB Percent	100%, 9%, 9%
CMY	0.0000, 0.9096, 0.9098
CMYK	0.00, 0.91, 0.91, 0.00
HSL	0°, 100%, 55%
HSV	0°, 91%, 100%
XYZ	41.7011, 21.9347, 2.8465
YIQ	92.3680, 138.2720, 49.1840

Conversions

Conversions Part 2

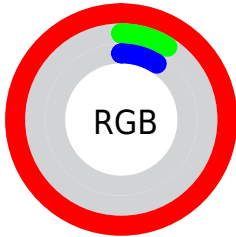
Format	Color
R_{YB}	255, 23, 23
Decimal	16717591
CIE Lab	53.96, 78.39, 61.26
CIE LCh	54, 99.487, 38.006
Yxy	21.9347, 0.6273, 0.3299
Android (android.graphics.Color)	4294907671 (0xFFFF1717)
YUV	92.3680, -34.1984, 142.6283
Hunter-Lab	46.8345, 76.9748, 29.1806

Details

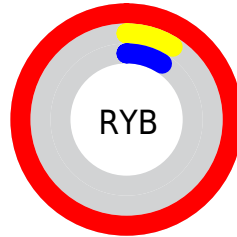
The XYZ color **41.7011, 21.9347, 2.8465** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **54.1502, 78.8961, 106.9815**, and the grayscale version is **10.3167, 10.8540, 11.8200**.

A 20% lighter version of the original color is **47.1940, 31.2438, 9.8466**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2402, 21.2608, 1.9301**, and if you desaturate by 10%, it is **42.8626, 23.6354, 5.1537**.

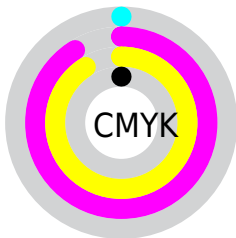
Distribution



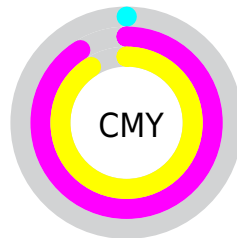
- Red (100%)
- Green (9%)
- Blue (9%)



- Red (100%)
- Yellow (9%)
- Blue (9%)



- Cyan (0%)
- Magenta (91%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7011, 21.9347, 2.8465 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 41.7011, 21.9347, 2.8465 by changing the saturation by 10% instead.


 41.7011, 21.9347,
2.8465


 41.7011, 21.9347,
2.8465


344.2551,
262.2051, 134.3809


 29.0574, 13.8089,
1.0168


 77.0151, 46.6380,
11.2473

 19.2687, 7.9879,
0.0000


 100.4160, 63.9844,
18.6554

 11.9698, 4.0872,
0.0000


 128.1335, 85.1731,
28.7601

 6.7952, 1.7225,
0.0000

 160.5327,
110.5885, 41.9799

 3.3795, 0.4381,
0.0000

 197.9792,
140.6150, 58.7333


 1.3575, 0.0000,
0.0000

 240.8381,


 0.2256, 0.0000,


175.6370, 79.4390


0.0000


 289.4750,
216.0389, 104.5153


 0.0000, 0.0000,
0.0000


 41.7011, 21.9347,
2.8465

 41.7011, 21.9347,
2.8465


 41.2402, 21.2608,
1.9301

 42.8626, 23.6354,
5.1537

 44.9266, 26.6560,
9.2558

 48.0277, 31.1941,
15.4198

 52.2778, 37.4134,
23.8682

 57.7742, 45.4563,
34.7945

■ 64.6041, 55.4503,
48.3721

■ 72.8467, 67.5114,
64.7586

■ 82.5751, 81.7464,
84.0992

■ 93.8573, 98.2551,
106.5293

Harmonies

Analogous

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



48.6857, 21.9347, 16.5617



41.7011, 21.9347, 2.8465



29.5707, 21.9347, 0.0548

Triad

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



41.7011, 21.9347, 2.8465



6.9711, 21.9347, 7.8832



23.8563, 21.9347, 143.2193

Complementary

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



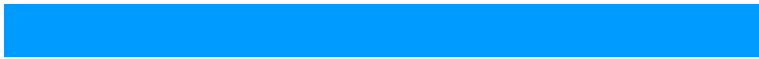
41.7011, 21.9347, 2.8465



54.1502, 78.8961, 106.9815

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.



14.0357, 21.9347, 131.2724



41.7011, 21.9347, 2.8465



6.3631, 21.9347, 33.0957

Square

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



41.7011, 21.9347, 2.8465



10.5487, 21.9347, 1.0247



8.4494, 21.9347, 81.8823



36.3104, 21.9347, 107.2700

Rectangle

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



41.7011, 21.9347, 2.8465



21.5746, 21.9347, 0.0000



8.4494, 21.9347, 81.8823



20.1384, 21.9347, 145.0097

Sweetspot

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



41.7016, 21.9361, 2.8468



67.7119, 59.9976, 54.5499



59.5960, 29.0926, 97.0815



13.9196, 12.0028, 10.5358



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.



41.7016, 21.9361, 2.8468



41.2405, 21.2610, 1.9302



50.6269, 39.7869, 5.8219



18.0097, 17.9876, 18.6671



21.5491, 11.1095, 1.0086



2.0982, 1.0819, 0.0982

Inverse Universe

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



54.1502, 78.8961, 106.9815



53.7960, 78.7120, 106.9653



27.6358, 25.8673, 98.1434



18.5547, 20.4809, 23.2252



28.1097, 41.1290, 55.8917



2.7370, 4.0048, 5.4420

Previews

White Background



This preview shows how the XYZ color 41.7011, 21.9347, 2.8465 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 41.7011, 21.9347, 2.8465 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 41.7011, 21.9347, 2.8465

Background



This preview shows how black text looks on a background with the XYZ color 41.7011, 21.9347, 2.8465.



This preview shows how white text looks on a background with the XYZ color 41.7011, 21.9347,

2.8465.

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

41.7011, 21.9347, 2.8465

Protanopia

20.1333, 22.1745, 5.7016

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.6330, 21.9398, 2.3883

Trichromacy



Original Color

41.7011, 21.9347, 2.8465

Protanomaly

24.0826, 17.9300, 3.9418

Deuteranomaly

26.4780, 18.7042, 2.4445

Tritanomaly

41.6602, 21.9507, 2.5314

Monochromacy



Original Color

41.7011, 21.9347, 2.8465

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

15.7828, 10.9989, 6.6013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7011, 21.9347, 2.8465 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, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 23)  
}
```

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, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 23) }
```

Border

The CSS property to change the border of an element to XYZ 41.7011, 21.9347, 2.8465 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, 23, 23) }
```


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

```
.border{ border-color:rgb(255, 23, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7011, 21.9347, 2.8465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 23) }
```

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

```
.background{ background-color: rgb(255, 23,  
23) }
```

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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