

Converting Colors

XYZ(41.8417, 21.9893, 3.5923)

Have a look what the booklet for
XYZ(41.8417, 21.9893, 3.5923)
contains.

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Color

**XYZ(41.8498, 21.9941,
3.6297)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF1723 |
| RGB | 255, 23, 35 |
| RGB Percent | 100%, 9%, 14% |
| CMY | 0.0000, 0.9097, 0.8627 |
| CMYK | 0.00, 0.91, 0.86, 0.00 |
| HSL | 357°, 100%, 55% |
| HSV | 357°, 91%, 100% |
| XYZ | 41.8498, 21.9941, 3.6297 |
| YIQ | 93.7360, 134.4200, 52.9160 |

Conversions

Conversions Part 2

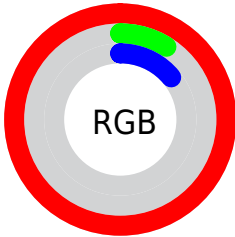
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 23, 35 |
| Decimal | 16717603 |
| CIE Lab | 54.02, 78.57, 56.36 |
| CIE LCh | 54, 96.693, 35.652 |
| Yxy | 21.9941, 0.6202, 0.3260 |
| Android (android.graphics.Color) | 4294907683 (0xFFFF1723) |
| YUV | 93.7360, -28.9568, 141.4285 |
| Hunter-Lab | 46.8979, 77.2151, 28.2397 |

Details

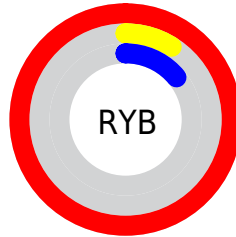
The XYZ color **41.8498, 21.9941, 3.6297** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.2970, 78.1754, 97.1552**, and the grayscale version is **10.6255, 11.1788, 12.1737**.

A 20% lighter version of the original color is **47.5527, 31.3873, 11.7357**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3134, 21.2893, 2.3177**, and if you desaturate by 10%, it is **43.1130, 23.7357, 6.4721**.

Distribution



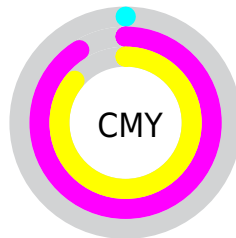
- Red (100%)
- Green (9%)
- Blue (14%)



- Red (100%)
- Yellow (9%)
- Blue (14%)



- Cyan (0%)
- Magenta (91%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8498, 21.9941, 3.6297 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 41.8498, 21.9941, 3.6297 by changing the saturation by 10% instead.

 41.8498, 21.9941,
3.6297


 41.8498, 21.9941,
3.6297


344.8622,
262.5155, 144.0160


 29.1743, 13.8526,
1.4245


 77.2388, 46.7362,
13.1463

 19.3577, 8.0182,
0.1607


 100.6831, 64.1056,
21.2948

 12.0345, 4.1066,
0.0000


 128.4476, 85.3198,
32.2614

 6.8396, 1.7334,
0.0000

 160.8978,
110.7631, 46.4648

 3.4074, 0.4451,
0.0000

 198.3990,
140.8199, 64.3234


 1.3727, 0.0000,
0.0000

 241.3166,


 0.2366, 0.0000,


175.8746, 86.2557


0.0000


 290.0158,
216.3117, 112.6804

 0.0000, 0.0000,
0.0000


 41.8498, 21.9941,
3.6297


 41.8498, 21.9941,
3.6297


 41.3134, 21.2893,
2.3177

 43.1130, 23.7357,
6.4721

 45.2667, 26.7927,
11.0445

 48.4358, 31.3589,
17.5636

 52.7251, 37.5953,
26.2144

 58.2264, 45.6421,
37.1601

■ 65.0217, 55.6248,
50.5482

■ 73.1862, 67.6577,
66.5139

■ 82.7891, 81.8463,
85.1824

■ 93.8951, 98.2888,
106.6708

Harmonies

Analogous

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



47.9508, 21.9941, 18.7163



41.8498, 21.9941, 3.6297



30.3305, 21.9941, 0.3528

Triad

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



41.8498, 21.9941, 3.6297



7.4229, 21.9941, 7.1959



22.9465, 21.9941, 138.9750

Complementary

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



41.8498, 21.9941, 3.6297



52.2970, 78.1754, 97.1552

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.



13.6672, 21.9941, 123.9288



41.8498, 21.9941, 3.6297



6.6076, 21.9941, 30.0733

Square

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



41.8498, 21.9941, 3.6297



11.2447, 21.9941, 1.0196



8.4599, 21.9941, 75.5793



34.9383, 21.9941, 107.7362

Rectangle

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



41.8498, 21.9941, 3.6297



22.4654, 21.9941, 0.0000



8.4599, 21.9941, 75.5793



19.4181, 21.9941, 139.3437

Sweetspot

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



41.8503, 21.9955, 3.6300



68.0921, 60.1457, 56.5645



54.1346, 26.2782, 96.8261



14.0060, 12.0364, 10.9932



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.



41.8503, 21.9955, 3.6300



41.3136, 21.2895, 2.3177



48.5467, 35.6257, 5.1303



18.0473, 18.0023, 18.8665



21.6028, 11.1304, 1.2930



2.1161, 1.0888, 0.1930

Inverse Universe

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



41.8503, 21.9955, 3.6300



41.3136, 21.2895, 2.3177



30.0395, 30.6734, 98.9444



18.0473, 18.0023, 18.8665



21.6028, 11.1304, 1.2930



2.1161, 1.0888, 0.1930

Previews

White Background



This preview shows how the XYZ color 41.8498, 21.9941, 3.6297 looks on a white background.

Color Contrast Check

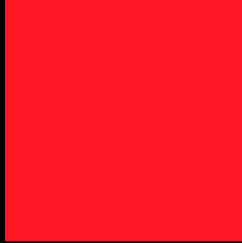
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8498, 21.9941, 3.6297 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 41.8498, 21.9941, 3.6297

Background



This preview shows how black text looks on a background with the XYZ color 41.8498, 21.9941, 3.6297.



This preview shows how white text looks on a background with the XYZ color 41.8498, 21.9941,

3.6297.

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

41.8498, 21.9941, 3.6297

Protanopia

20.2480, 22.2000, 7.2208

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.7029, 22.0362, 2.5456

Trichromacy



Original Color

41.8498, 21.9941, 3.6297

Protanomaly

24.0840, 17.9028, 5.2038

Deuteranomaly

26.5068, 18.7158, 2.5962

Tritanomaly

41.7423, 22.0171, 2.8603

Monochromacy



Original Color

41.8498, 21.9941, 3.6297

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

16.4066, 11.3876, 7.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8498, 21.9941, 3.6297 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, 35)` looks like.

```
.text, #text, p{  
  color:rgb(255, 23, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 35) }
```

Border

The CSS property to change the border of an element to XYZ 41.8498, 21.9941, 3.6297 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, 35) }
```


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

```
.border{ border-color:rgb(255, 23, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8498, 21.9941, 3.6297 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, 35) }
```

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

```
.background{ background-color: rgb(255, 23,  
35) }
```

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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