

Converting Colors

XYZ(41.6999, 21.5767, 3.9427)

Have a look what the booklet for
XYZ(41.6999, 21.5767, 3.9427)
contains.

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Color

**XYZ(41.7098, 21.5869,
3.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0828
RGB	255, 8, 40
RGB Percent	100%, 3%, 16%
CMY	0.0000, 0.9683, 0.8431
CMYK	0.00, 0.97, 0.84, 0.00
HSL	352°, 100%, 52%
HSV	352°, 97%, 100%
XYZ	41.7098, 21.5869, 3.9758
YIQ	85.5010, 136.9400, 62.3160

Conversions

Conversions Part 2

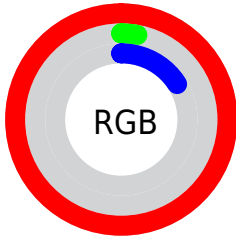
Format	Color
R_{YB}	255, 8, 40
Decimal	16713768
CIE _{Lab}	53.59, 80.02, 53.62
CIE _{LCh}	54, 96.326, 33.828
Yxy	21.5869, 0.6200, 0.3209
Android (android.graphics.Color)	4294903848 (0xFFFF0828)
YUV	85.5010, -22.4320, 148.6506
Hunter-Lab	46.4617, 78.9358, 27.4497

Details

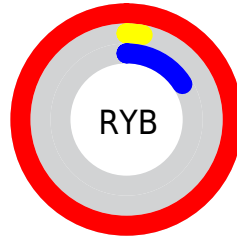
The XYZ color **41.7098, 21.5869, 3.9758** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **49.1899, 76.9031, 82.1148**, and the grayscale version is **8.7740, 9.2310, 10.0525**.

A 20% lighter version of the original color is **47.4221, 30.8718, 12.4763**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5137, 21.3694, 3.3733**, and if you desaturate by 10%, it is **42.6746, 22.7297, 6.7248**.

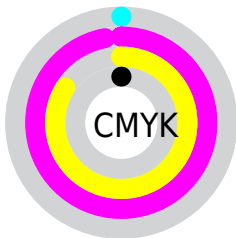
Distribution



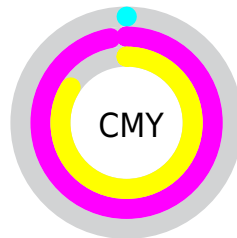
- Red (100%)
- Green (3%)
- Blue (16%)



- Red (100%)
- Yellow (3%)
- Blue (16%)



- Cyan (0%)
- Magenta (97%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7098, 21.5869, 3.9758 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 41.7098, 21.5869, 3.9758 by changing the saturation by 10% instead.


 41.7098, 21.5869,
3.9758


 41.7098, 21.5869,
3.9758


344.2907,
260.3813, 147.9560


 29.0642, 13.5537,
1.6121


 77.0282, 46.0623,
13.9539


 19.2739, 7.8109,
0.2994


 100.4317, 63.2732,
22.4054

 11.9736, 3.9742,
0.0000


 128.1519, 84.3122,
33.7232

 6.7978, 1.6591,
0.0000

 160.5541,
109.5636, 48.3258

 3.3811, 0.3970,
0.0000

 198.0037,
139.4118, 66.6319

 1.3584, 0.0000,
0.0000

 240.8662,

 0.2263, 0.0000,

174.2412, 89.0599

0.0000

289.5067,
214.4363, 116.0285

0.0000, 0.0000,
0.0000

41.7098, 21.5869,
3.9758

41.7098, 21.5869,
3.9758

41.5137, 21.3694,
3.3733

42.6746, 22.7297,
6.7248

44.4236, 25.0418,
10.9633

47.0880, 28.7432,
16.8685

50.7735, 34.0076,
24.5914

55.5710, 40.9831,
34.2661

■ 61.5613, 49.8009,
46.0136

■ 68.8176, 60.5790,
59.9453

■ 77.4071, 73.4258,
76.1644

■ 87.3925, 88.4417,
94.7678

Harmonies

Analogous

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



47.2367, 21.5869, 19.9242



41.7098, 21.5869, 3.9758



30.5302, 21.5869, 0.4153

Triad

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



41.7098, 21.5869, 3.9758



7.3988, 21.5869, 6.3327



21.8658, 21.5869, 137.3265

Complementary

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



41.7098, 21.5869, 3.9758



49.1899, 76.9031, 82.1148

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.



12.9754, 21.5869, 119.7179



41.7098, 21.5869, 3.9758



6.4391, 21.5869, 27.4898

Square

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



41.7098, 21.5869, 3.9758



11.3632, 21.5869, 0.8648



8.0876, 21.5869, 71.2063



33.6071, 21.5869, 108.8752

Rectangle

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



41.7098, 21.5869, 3.9758



22.7174, 21.5869, 0.0000



8.0876, 21.5869, 71.2063



18.4648, 21.5869, 136.6725

Sweetspot

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



41.7103, 21.5883, 3.9761



67.1353, 58.0726, 56.7370



48.2849, 22.9368, 96.4892



13.6990, 11.4332, 10.8580



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.



41.7103, 21.5883, 3.9761



41.5141, 21.3696, 3.3734



45.7091, 30.1281, 3.6380



18.1049, 18.0253, 19.1698



21.7213, 11.1778, 1.9171



2.1433, 1.0997, 0.3360

Inverse Universe

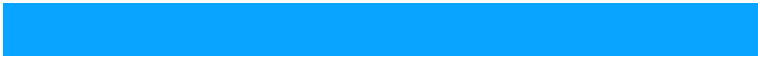
The Inverse Universe completely reimagines the original color for something new.



41.7103, 21.5883, 3.9761



41.5141, 21.3696, 3.3734



31.5088, 33.9879, 99.5065



18.1049, 18.0253, 19.1698



21.7213, 11.1778, 1.9171



2.1433, 1.0997, 0.3360

Previews

White Background



This preview shows how the XYZ color 41.7098, 21.5869, 3.9758 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 41.7098, 21.5869, 3.9758 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 41.7098, 21.5869, 3.9758

Background



This preview shows how black text looks on a background with the XYZ color 41.7098, 21.5869, 3.9758.



This preview shows how white text looks on a background with the XYZ color 41.7098, 21.5869,

3.9758.

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

41.7098, 21.5869, 3.9758

Protanopia

20.1321, 21.9218, 8.1713

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.7098, 21.5869, 3.9758

Protanomaly

23.7295, 16.9729, 5.7668

Deuteranomaly

25.7936, 17.6551, 2.5002

Tritanomaly

41.1756, 21.5379, 2.4390

Monochromacy



Original Color

41.7098, 21.5869, 3.9758

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.6199, 9.6588, 6.7240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7098, 21.5869, 3.9758 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, 8, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 40)  
}
```

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, 8, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 40) }
```

Border

The CSS property to change the border of an element to XYZ 41.7098, 21.5869, 3.9758 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, 8, 40) }
```


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

```
.border{ border-color:rgb(255, 8, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 8, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.7098, 21.5869, 3.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 40) }
```

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

```
.background{ background-color: rgb(255, 8,  
40) }
```

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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