

Converting Colors

XYZ(42.3862, 21.8071, 7.6923)

Have a look what the booklet for
XYZ(42.3862, 21.8071, 7.6923)
contains.

XYZ(42.3998, 21.8107, 7.7695)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.3998, 21.8107,
7.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0546
RGB	255, 5, 70
RGB Percent	100%, 2%, 27%
CMY	0.0000, 0.9801, 0.7255
CMYK	0.00, 0.98, 0.73, 0.00
HSL	344°, 100%, 51%
HSV	344°, 98%, 100%
XYZ	42.3998, 21.8107, 7.7695
YIQ	87.1600, 128.1350, 73.2150

Conversions

Conversions Part 2

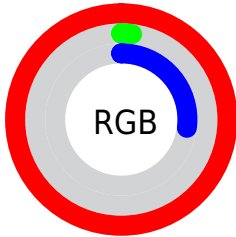
Format	Color
R_{YB}	255, 5, 70
Decimal	16713030
CIE _{Lab}	53.83, 81.07, 37.43
CIE _{LCh}	54, 89.296, 24.785
Yxy	21.8107, 0.5890, 0.3030
Android (android.graphics.Color)	4294903110 (0xFFFF0546)
YUV	87.1600, -8.4599, 147.1957
Hunter-Lab	46.7019, 80.3284, 22.8277

Details

The XYZ color **42.3998, 21.8107, 7.7695** 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 **45.1247, 75.2729, 60.9036**, and the grayscale version is **9.0997, 9.5736, 10.4257**.

A 20% lighter version of the original color is **48.9719, 31.4917, 20.6369**, and **21.1841, 10.8979, 2.0239** is the 20% darker color. If you saturate the color by 10%, you get **42.2306, 21.6562, 7.1473**, and if you desaturate by 10%, it is **43.5165, 22.9365, 11.5574**.

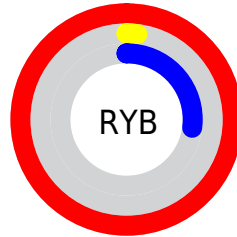
Distribution



Red (100%)

Green (2%)

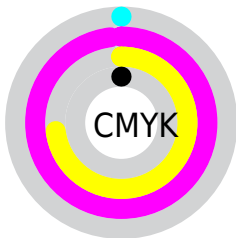
Blue (27%)



Red (100%)

Yellow (2%)

Blue (27%)

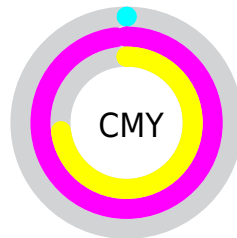


Cyan (0%)

Magenta (98%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3998, 21.8107, 7.7695 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 42.3998, 21.8107, 7.7695 by changing the saturation by 10% instead.


 42.3998, 21.8107,
7.7695

 42.3998, 21.8107,
7.7695

347.1011,
261.5561, 183.7793

 29.6069, 13.7179,
3.8622


 78.0657, 46.4329,
22.0440


 19.6870, 7.9247,
1.5500


 101.6695, 63.7311,
33.2482

 12.2747, 4.0468,
0.2548


 129.6076, 84.8665,
47.7218

 7.0046, 1.6998,
0.0000

 162.2455,
110.2236, 65.8833

 3.5113, 0.4235,
0.0000

 199.9484,
140.1867, 88.1513

 1.4296, 0.0000,
0.0000

 243.0817,

 0.2771, 0.0000,

175.1402, 114.9442

0.0000

292.0108,
215.4686, 146.6807

■ 0.0000, 0.0000,
0.0000

■ 42.3998, 21.8107,
7.7695

■ 42.3998, 21.8107,
7.7695

■ 42.2306, 21.6562,
7.1473

■ 43.5165, 22.9365,
11.5574

■ 45.3507, 25.1721,
16.5862

■ 48.0309, 28.7518,
22.9689

■ 51.6539, 33.8489,
30.8017

■ 56.3028, 40.6103,
40.1708

■ 62.0512, 49.1655,
51.1556

■ 68.9657, 59.6310,
63.8297

■ 77.1076, 72.1136,
78.2617

■ 86.5336, 86.7121,
94.5168

Harmonies

Analogous

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



45.0695, 21.8107, 28.8823



42.3998, 21.8107, 7.7695



33.2946, 21.8107, 1.4526

Triad

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



42.3998, 21.8107, 7.7695



9.0144, 21.8107, 4.4512



19.0982, 21.8107, 124.8162

Complementary

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



42.3998, 21.8107, 7.7695



45.1247, 75.2729, 60.9036

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.



11.8070, 21.8107, 98.3685



42.3998, 21.8107, 7.7695



7.2497, 21.8107, 19.2616

Square

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



42.3998, 21.8107, 7.7695



13.9174, 21.8107, 0.8203



8.0857, 21.8107, 53.5035



29.4676, 21.8107, 111.2837

Rectangle

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



42.3998, 21.8107, 7.7695



25.9597, 21.8107, 0.4640



8.0857, 21.8107, 53.5035



16.2553, 21.8107, 119.9430

Sweetspot

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



42.4003, 21.8121, 7.7698



68.2301, 58.5105, 62.5022



38.9304, 18.0659, 96.0425



13.9522, 11.5345, 12.1913



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.



42.4003, 21.8121, 7.7698



42.2308, 21.6563, 7.1473



43.0664, 24.8687, 2.6758



18.2031, 18.0645, 19.6864



22.1178, 11.3364, 4.0048



2.1959, 1.1207, 0.6131

Inverse Universe

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



42.4003, 21.8121, 7.7698



42.2308, 21.6563, 7.1473



38.0074, 47.0408, 101.6839



18.2031, 18.0645, 19.6864



22.1178, 11.3364, 4.0048



2.1959, 1.1207, 0.6131

Previews

White Background



This preview shows how the XYZ color 42.3998, 21.8107, 7.7695 looks on a white background.

Color Contrast Check

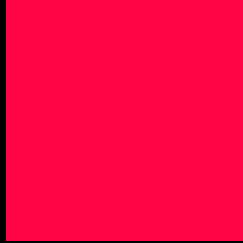
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3998, 21.8107, 7.7695 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 42.3998, 21.8107, 7.7695

Background



This preview shows how black text looks on a background with the XYZ color 42.3998, 21.8107, 7.7695.



This preview shows how white text looks on a background with the XYZ color 42.3998, 21.8107,

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

42.3998, 21.8107, 7.7695

Protanopia

20.8813, 22.1237, 16.5343

Deuteranopia

22.5194, 22.0384, 6.9378



Tritanopia

41.4572, 22.0075, 2.8219

Trichromacy



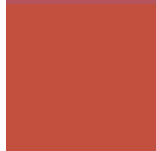
Original Color

42.3998, 21.8107, 7.7695



Protanomaly

24.1581, 16.9371, 12.1211



Deuteranomaly

26.2438, 17.6872, 6.5882



Tritanomaly

41.4894, 21.7176, 3.9246

Monochromacy



Original Color

42.3998, 21.8107, 7.7695



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1611, 9.8162, 8.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3998, 21.8107, 7.7695 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, 5, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 70)  
}
```

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, 5, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 70) }
```

Border

The CSS property to change the border of an element to XYZ 42.3998, 21.8107, 7.7695 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, 5, 70) }
```


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

```
.border{ border-color:rgb(255, 5, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 5, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 5, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3998, 21.8107, 7.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 70) }
```

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

```
.background{ background-color: rgb(255, 5,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor