

Converting Colors

XYZ(38.9399, 13.7868, 16.2293)

Have a look what the booklet for
XYZ(38.9399, 13.7868, 16.2293)
contains.

XYZ(42.7643, 21.7015, 17.5577)	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(42.7643, 21.7015,
17.5577)**

Conversions

Conversions Part 1

Format	Color
Hex	FB0071
RGB	251, 0, 113
RGB Percent	98%, 0%, 44%
CMY	0.0157, 0.9997, 0.5569
CMYK	0.00, 1.00, 0.55, 0.02
HSL	333°, 100%, 49%
HSV	333°, 100%, 98%
XYZ	42.7643, 21.7015, 17.5577
YIQ	87.9310, 113.3230, 88.3550

Conversions

Conversions Part 2

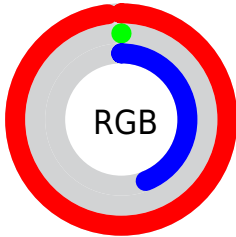
Format	Color
R_{YB}	251, 0, 113
Decimal	16449649
CIE _{Lab}	53.71, 82.67, 11.33
CIE _{LCh}	54, 83.438, 7.803
Yxy	21.7015, 0.5214, 0.2646
Android (android.graphics.Color)	4294639729 (0xFFFB0071)
YUV	87.9310, 12.3590, 143.0115
Hunter-Lab	46.5849, 82.3371, 10.2632

Details

The XYZ color **42.7643, 21.7015, 17.5577** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **39.0900, 70.8313, 35.6808**, and the grayscale version is **9.2253, 9.7057, 10.5695**.

A 20% lighter version of the original color is **52.3085, 32.6757, 38.6720**, and **21.4769, 10.9581, 6.1374** is the 20% darker color. If you saturate the color by 10%, you get **42.7621, 21.7006, 17.5471**, and if you desaturate by 10%, it is **43.9526, 22.7387, 22.0842**.

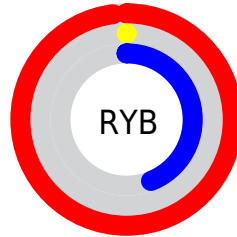
Distribution



Red (98%)

Green (0%)

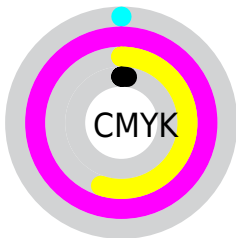
Blue (44%)



Red (98%)

Yellow (0%)

Blue (44%)

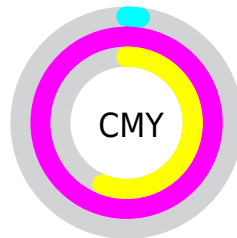


Cyan (0%)

Magenta (100%)

Yellow (55%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7643, 21.7015, 17.5577 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 42.7643, 21.7015, 17.5577 by changing the saturation by 10% instead.


 42.7643, 21.7015,
17.5577


 42.7643, 21.7015,
17.5577


348.5795,
260.9834, 250.5179


 29.8939, 13.6377,
10.4668


 78.6130, 46.2521,
40.0859


 19.9058, 7.8691,
5.5999


 102.3220, 63.5078,
56.3603


 12.4344, 4.0113,
2.5385


 130.3747, 84.5962,
76.5328

 7.1146, 1.6799,
0.8605

 163.1363,
109.9018, 101.0222

 3.5808, 0.4106,
0.0000

 200.9722,
139.8089, 130.2468

 1.4678, 0.0000,
0.0000

244.2479,

 0.3038, 0.0000,

174.7020, 164.6253

0.0000

293.3285,
214.9653, 204.5761

■ 0.0000, 0.0000,
0.0000

■ 42.7643, 21.7015,
17.5577

■ 42.7643, 21.7015,
17.5577

■ 42.7621, 21.7006,
17.5471

■ 43.9526, 22.7387,
22.0842

■ 45.7140, 24.7245,
27.4093

■ 48.1914, 27.9378,
33.6042

■ 51.4733, 32.5481,
40.7201

■ 55.6342, 38.6980,
48.8029

■ 60.7398, 46.5121,
57.8945

■ 66.8490, 56.1022,
68.0336

■ 74.0158, 67.5704,
79.2566

■ 82.2903, 81.0108,
91.5981

Harmonies

Analogous

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



40.9779, 21.7015, 47.5236



42.7643, 21.7015, 17.5577



37.4005, 21.7015, 4.4798

Triad

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



42.7643, 21.7015, 17.5577



11.7850, 21.7015, 2.1745



14.7921, 21.7015, 104.7582

Complementary

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



42.7643, 21.7015, 17.5577



39.0900, 70.8313, 35.6808

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.



9.8106, 21.7015, 68.4505



42.7643, 21.7015, 17.5577



8.4566, 21.7015, 9.4872

Square

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



42.7643, 21.7015, 17.5577



18.3805, 21.7015, 0.6947



7.8565, 21.7015, 30.9603



23.0487, 21.7015, 113.6090

Rectangle

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



42.7643, 21.7015, 17.5577



31.2041, 21.7015, 1.6589



7.8565, 21.7015, 30.9603



12.7586, 21.7015, 94.5295

Sweetspot

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



42.7648, 21.7028, 17.5580



69.2614, 58.1006, 70.4679



27.2283, 12.0263, 92.1526



14.2253, 11.4894, 14.1054



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.



42.7648, 21.7028, 17.5580



44.3210, 22.4924, 18.1543



39.8753, 20.6923, 1.8942



17.5693, 17.3551, 19.5879



22.5487, 11.4352, 9.5977



2.1410, 1.0801, 1.1658

Inverse Universe

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



42.7648, 21.7028, 17.5580



44.3210, 22.4924, 18.1543



49.3548, 70.8484, 102.3402



17.5693, 17.3551, 19.5879



22.5487, 11.4352, 9.5977



2.1410, 1.0801, 1.1658

Previews

White Background



This preview shows how the XYZ color 42.7643, 21.7015, 17.5577 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 42.7643, 21.7015, 17.5577 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 42.7643, 21.7015, 17.5577

Background



This preview shows how black text looks on a background with the XYZ color 42.7643, 21.7015, 17.5577.



This preview shows how white text looks on a background with the XYZ color 42.7643, 21.7015,

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

42.7643, 21.7015, 17.5577

Protanopia

22.3052, 22.1836, 38.2282

Deuteranopia

22.5443, 22.2258, 15.9338



Tritanopia

40.1044, 22.0151, 4.5185

Trichromacy



Original Color

42.7643, 21.7015, 17.5577



Protanomaly

24.2017, 16.2540, 28.6498



Deuteranomaly

26.0160, 17.3637, 15.8902



Tritanomaly

40.5805, 21.4481, 7.6313

Monochromacy



Original Color

42.7643, 21.7015, 17.5577



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.6045, 9.8945, 12.3966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7643, 21.7015, 17.5577 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(251, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 113)  
}
```

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(251, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 42.7643, 21.7015, 17.5577 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(251, 0, 113) }
```


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

```
.border{ border-color:rgb(251, 0, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7643, 21.7015, 17.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 113) }
```

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

```
.background{ background-color: rgb(251, 0,  
113) }
```

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