

Converting Colors

XYZ(58.8471, 26.6769, 10.4179)

Have a look what the booklet for
XYZ(58.8471, 26.6769, 10.4179)
contains.

XYZ(42.8402, 21.9001, 10.3567)	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(42.8402, 21.9001,
10.3567)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0054
RGB	255, 0, 84
RGB Percent	100%, 0%, 33%
CMY	0.0000, 0.9997, 0.6706
CMYK	0.00, 1.00, 0.67, 0.00
HSL	340°, 100%, 50%
HSV	340°, 100%, 100%
XYZ	42.8402, 21.9001, 10.3567
YIQ	85.8210, 125.0160, 80.1840

Conversions

Conversions Part 2

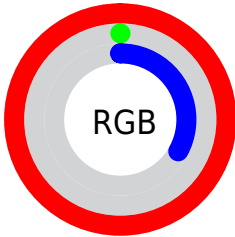
Format	Color
RYB	255, 0, 84
Decimal	16711764
CIELab	53.92, 81.98, 29.26
CIELCh	54, 87.042, 19.641
Yxy	21.9001, 0.5705, 0.2916
Android (android.graphics.Color)	4294901844 (0xFFFF0054)
YUV	85.8210, -0.8978, 148.3700
Hunter-Lab	46.7975, 81.5098, 19.6369

Details

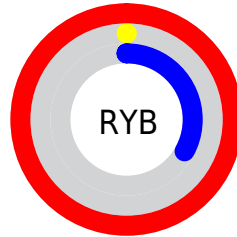
The XYZ color **42.8402, 21.9001, 10.3567** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **43.1179, 74.4629, 50.6630**, and the grayscale version is **8.7989, 9.2572, 10.0810**.

A 20% lighter version of the original color is **49.8413, 31.6888, 25.6799**, and **21.3693, 10.9720, 2.9990** is the 20% darker color. If you saturate the color by 10%, you get **42.8381, 21.8992, 10.3470**, and if you desaturate by 10%, it is **43.9538, 22.9214, 14.4465**.

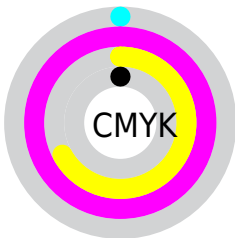
Distribution



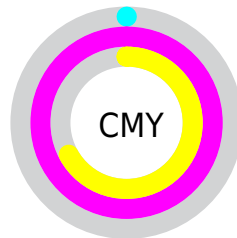
- Red (100%)
- Green (0%)
- Blue (33%)



- Red (100%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8402, 21.9001, 10.3567 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 42.8402, 21.9001, 10.3567 by changing the saturation by 10% instead.


 42.8402, 21.9001,
10.3567


 42.8402, 21.9001,
10.3567


348.8868,
262.0241, 203.7757


 29.9537, 13.7835,
5.5274


 78.7269, 46.5808,
27.0825


 19.9514, 7.9702,
2.4958


 102.4578, 63.9138,
39.8161


 12.4678, 4.0759,
0.8379


 130.5342, 85.0876,
56.0216

 7.1375, 1.7161,
0.0000

 163.3216,
110.4867, 76.1175

 3.5954, 0.4341,
0.0000

 201.1851,
140.4956, 100.5223

 1.4759, 0.0000,
0.0000

 244.4903,

 0.3093, 0.0000,

175.4985, 129.6546

0.0000

293.6024,
215.8799, 163.9329

■ 0.0000, 0.0000,
0.0000

■ 42.8402, 21.9001,
10.3567

■ 42.8402, 21.9001,
10.3567

■ 42.8381, 21.8992,
10.3470

■ 43.9538, 22.9214,
14.4465

■ 45.7091, 24.9466,
19.6109

■ 48.2589, 28.2658,
25.9501

■ 51.6998, 33.0571,
33.5417

■ 56.1136, 39.4705,
42.4553

■ 61.5723, 47.6372,
52.7549

■ 68.1408, 57.6747,
64.4997

■ 75.8786, 69.6906,
77.7454

■ 84.8410, 83.7839,
92.5445

Harmonies

Analogous

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



44.0741, 21.9001, 34.3909



42.8402, 21.9001, 10.3567



34.8148, 21.9001, 2.1702

Triad

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



42.8402, 21.9001, 10.3567



9.8752, 21.9001, 3.5993



17.7380, 21.9001, 119.2860

Complementary

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



42.8402, 21.9001, 10.3567



43.1179, 74.4629, 50.6630

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.



11.1845, 21.9001, 88.8295



42.8402, 21.9001, 10.3567



7.6373, 21.9001, 15.7116

Square

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



42.8402, 21.9001, 10.3567



15.3227, 21.9001, 0.7683



8.0310, 21.9001, 45.7613



27.4850, 21.9001, 113.0693

Rectangle

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



42.8402, 21.9001, 10.3567



27.7413, 21.9001, 0.7944



8.0310, 21.9001, 45.7613



15.1503, 21.9001, 112.4460

Sweetspot

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



42.8407, 21.9015, 10.3570



68.1215, 57.6447, 64.4656



34.6332, 15.7701, 95.8256



13.9585, 11.3826, 12.7003



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.



42.8407, 21.9015, 10.3570



42.8384, 21.8994, 10.3471



42.0880, 22.9558, 2.2147



18.2559, 18.0857, 19.9650



22.4450, 11.4673, 5.7279



2.2334, 1.1357, 0.8104

Inverse Universe

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



42.8407, 21.9015, 10.3570



42.8384, 21.8994, 10.3471



41.7222, 54.5633, 102.9398



18.2559, 18.0857, 19.9650



22.4450, 11.4673, 5.7279



2.2334, 1.1357, 0.8104

Previews

White Background



This preview shows how the XYZ color 42.8402, 21.9001, 10.3567 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 42.8402, 21.9001, 10.3567 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 42.8402, 21.9001, 10.3567

Background



This preview shows how black text looks on a background with the XYZ color 42.8402, 21.9001, 10.3567.

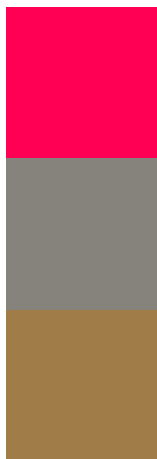


This preview shows how white text looks on a background with the XYZ color 42.8402, 21.9001,

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

42.8402, 21.9001, 10.3567

Protanopia

21.4522, 22.4888, 22.2789

Deuteranopia

22.6754, 22.2541, 9.2312



Tritanopia

41.6668, 22.3036, 3.2713

Trichromacy



Original Color

42.8402, 21.9001, 10.3567



Protanomaly

24.2137, 16.7556, 16.4260



Deuteranomaly

26.3486, 17.5831, 8.8426



Tritanomaly

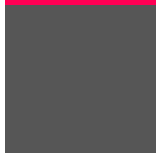
41.7143, 21.8664, 4.9278

Monochromacy



Original Color

42.8402, 21.9001, 10.3567



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

15.0385, 9.5913, 9.6530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8402, 21.9001, 10.3567 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, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 84)  
}
```

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, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 42.8402, 21.9001, 10.3567 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, 0, 84) }
```


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

```
.border{ border-color:rgb(255, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.8402, 21.9001, 10.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 84) }
```

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

```
.background{ background-color: rgb(255, 0,  
84) }
```

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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