

Converting Colors

XYZ(42.2912, 21.6306, 11.1787)

Have a look what the booklet for
XYZ(42.2912, 21.6306, 11.1787)
contains.

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Color

**XYZ(42.2912, 21.6306,
11.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0258
RGB	253, 2, 88
RGB Percent	99%, 1%, 35%
CMY	0.0078, 0.9919, 0.6549
CMYK	0.00, 0.99, 0.65, 0.01
HSL	339°, 98%, 50%
HSV	339°, 99%, 99%
XYZ	42.2912, 21.6306, 11.1787
YIQ	86.8530, 121.9900, 79.9580

Conversions

Conversions Part 2

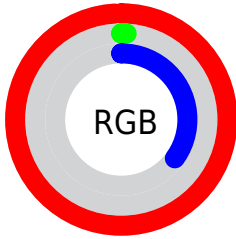
Format	Color
RYB	253, 2, 88
Decimal	16581208
CIELab	53.63, 81.57, 26.41
CIElCh	54, 85.742, 17.937
Yxy	21.6306, 0.5631, 0.2880
Android (android.graphics.Color)	4294771288 (0xFFFD0258)
YUV	86.8530, 0.5655, 145.7109
Hunter-Lab	46.5087, 80.9230, 18.3053

Details

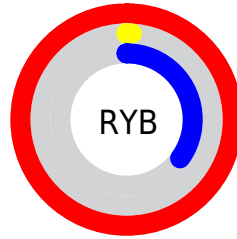
The XYZ color **42.2912, 21.6306, 11.1787** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **42.1318, 73.0559, 48.4704**, and the grayscale version is **9.0155, 9.4850, 10.3292**.

A 20% lighter version of the original color is **50.1230, 31.8015, 27.1634**, and **21.1937, 10.8732, 3.3646** is the 20% darker color. If you saturate the color by 10%, you get **42.2136, 21.5649, 10.8781**, and if you desaturate by 10%, it is **43.4393, 22.6957, 15.3580**.

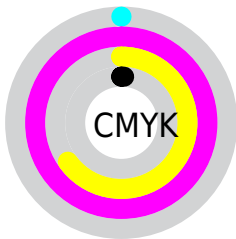
Distribution



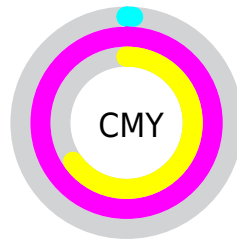
- Red (99%)
- Green (1%)
- Blue (35%)



- Red (99%)
- Yellow (1%)
- Blue (35%)



- Cyan (0%)
- Magenta (99%)
- Yellow (65%)
- Black (1%)





- Cyan (1%)
- Magenta (99%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2912, 21.6306, 11.1787 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 42.2912, 21.6306, 11.1787 by changing the saturation by 10% instead.


 42.2912, 21.6306,
11.1787


 42.2912, 21.6306,
11.1787


346.6598,
260.6111, 209.6707


 29.5215, 13.5857,
6.0715


 77.9026, 46.1347,
28.6318


 19.6219, 7.8331,
2.8191


 101.4749, 63.3627,
41.8148

 12.2272, 3.9883,
1.0030


 129.3788, 84.4205,
58.5268

 6.9719, 1.6670,
0.0000

 161.9797,
109.6926, 79.1863

 3.4907, 0.4022,
0.0000

 199.6429,
139.5633, 104.2120

 1.4183, 0.0000,
0.0000

 242.7337,

 0.2692, 0.0000,

174.4170, 134.0222

0.0000

291.6176,
214.6381, 169.0356

■ 0.0000, 0.0000,
0.0000

■ 42.2912, 21.6306,
11.1787

■ 42.2912, 21.6306,
11.1787

■ 42.2136, 21.5649,
10.8781

■ 43.4393, 22.6957,
15.3580

■ 45.2336, 24.7854,
20.5767

■ 47.8104, 28.1585,
26.9249

■ 51.2624, 32.9869,
34.4748

■ 55.6685, 39.4155,
43.2913

■ 61.0980, 47.5717,
53.4341

■ 67.6139, 57.5697,
64.9585

■ 75.2736, 69.5141,
77.9166

■ 84.1306, 83.5014,
92.3575

Harmonies

Analogous

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



43.0517, 21.6306, 35.7496



42.2912, 21.6306, 11.1787



34.7666, 21.6306, 2.4418

Triad

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



42.2912, 21.6306, 11.1787



10.0564, 21.6306, 3.3411



17.0926, 21.6306, 115.3873

Complementary

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



42.2912, 21.6306, 11.1787



42.1318, 73.0559, 48.4704

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.



10.8701, 21.6306, 84.3896



42.2912, 21.6306, 11.1787



7.6940, 21.6306, 14.5023

Square

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



42.2912, 21.6306, 11.1787



15.5962, 21.6306, 0.7618



7.9393, 21.6306, 42.7620



26.4771, 21.6306, 111.5689

Rectangle

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



42.2912, 21.6306, 11.1787



27.9131, 21.6306, 0.9093



7.9393, 21.6306, 42.7620



14.6257, 21.6306, 108.1015

Sweetspot

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



42.2917, 21.6319, 11.1790



68.2431, 57.6934, 65.1061



33.3048, 15.1544, 94.0978



13.9869, 11.3940, 12.8495



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.



42.2917, 21.6319, 11.1790



42.9738, 21.9535, 11.0598



41.2680, 22.3848, 2.2049



18.2661, 18.0897, 20.0184



22.5174, 11.4962, 6.1089



2.2413, 1.1389, 0.8523

Inverse Universe

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



42.2917, 21.6319, 11.1790



42.9738, 21.9535, 11.0598



42.1474, 55.8891, 101.4944



18.2661, 18.0897, 20.0184



22.5174, 11.4962, 6.1089



2.2413, 1.1389, 0.8523

Previews

White Background



This preview shows how the XYZ color 42.2912, 21.6306, 11.1787 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 42.2912, 21.6306, 11.1787 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 42.2912, 21.6306, 11.1787

Background



This preview shows how black text looks on a background with the XYZ color 42.2912, 21.6306, 11.1787.

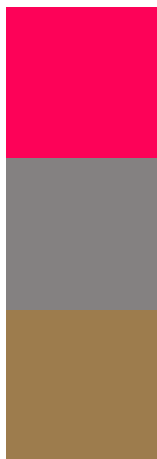


This preview shows how white text looks on a background with the XYZ color 42.2912, 21.6306,

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

42.2912, 21.6306, 11.1787

Protanopia

21.3284, 22.1910, 23.9280

Deuteranopia

22.4518, 22.1192, 10.1073



Tritanopia

40.6752, 21.8753, 3.4450

Trichromacy



Original Color

42.2912, 21.6306, 11.1787



Protanomaly

24.0350, 16.6315, 17.8630



Deuteranomaly

26.0921, 17.5379, 9.7945



Tritanomaly

41.0914, 21.5966, 5.2516

Monochromacy



Original Color

42.2912, 21.6306, 11.1787



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1671, 9.7195, 10.0935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2912, 21.6306, 11.1787 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(253, 2, 88)` looks like.

```
.text, #text, p{  
    color:rgb(253, 2, 88)  
}
```

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(253, 2, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 2, 88) }
```

Border

The CSS property to change the border of an element to XYZ 42.2912, 21.6306, 11.1787 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(253, 2, 88) }
```


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

```
.border{ border-color:rgb(253, 2, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 2, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 2, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 2, 88);  
box-shadow:4px 4px 4px 4px rgb(253, 2, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.2912, 21.6306, 11.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 2, 88) }
```

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

```
.background{ background-color: rgb(253, 2,  
88) }
```

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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