

Converting Colors

XYZ(42.6537, 21.8255, 9.3746)

Have a look what the booklet for
XYZ(42.6537, 21.8255, 9.3746)
contains.

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Color

**XYZ(42.6513, 21.8245,
9.3617)**

Conversions

Conversions Part 1

Format	Color
Hex	FF004F
RGB	255, 0, 79
RGB Percent	100%, 0%, 31%
CMY	0.0000, 0.9997, 0.6902
CMYK	0.00, 1.00, 0.69, 0.00
HSL	341°, 100%, 50%
HSV	341°, 100%, 100%
XYZ	42.6513, 21.8245, 9.3617
YIQ	85.2510, 126.6210, 78.6290

Conversions

Conversions Part 2

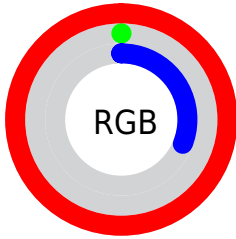
Format	Color
R_{YB}	255, 0, 79
Decimal	16711759
CIE Lab	53.84, 81.76, 32.14
CIE LCh	54, 87.851, 21.460
Yxy	21.8245, 0.5776, 0.2956
Android (android.graphics.Color)	4294901839 (0xFFFF004F)
YUV	85.2510, -3.0817, 148.8699
Hunter-Lab	46.7167, 81.2123, 20.8204

Details

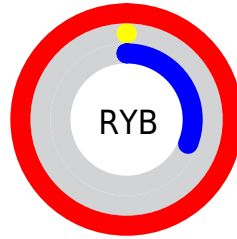
The XYZ color **42.6513, 21.8245, 9.3617** is a dark color, and the websafe version is hex **FF3366**, and the color name is **folly**. The color can be described as dark saturated red. A complement of this color would be **43.6038, 74.6573, 53.2212**, and the grayscale version is **8.6827, 9.1349, 9.9479**.

A 20% lighter version of the original color is **49.5040, 31.5539, 23.9034**, and **21.3047, 10.9462, 2.6590** is the 20% darker color. If you saturate the color by 10%, you get **42.6494, 21.8237, 9.3528**, and if you desaturate by 10%, it is **43.7389, 22.8354, 13.3153**.

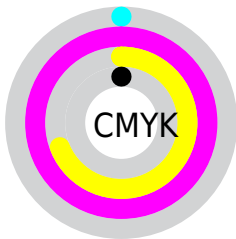
Distribution



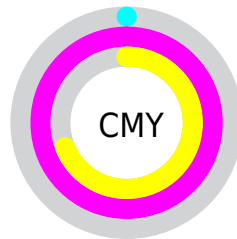
- Red (100%)
- Green (0%)
- Blue (31%)



- Red (100%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6513, 21.8245, 9.3617 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 42.6513, 21.8245, 9.3617 by changing the saturation by 10% instead.

 42.6513, 21.8245,
9.3617


 42.6513, 21.8245,
9.3617


348.1216,
261.6284, 196.3700


 29.8049, 13.7280,
4.8778


 78.4434, 46.4558,
25.1766

 19.8379, 7.9317,
2.1183


 102.1198, 63.7593,
37.3446

 12.3849, 4.0513,
0.6266


 130.1370, 84.9007,
52.9112

 7.0804, 1.7023,
0.0000

 162.8603,
110.2642, 72.2948

 3.5592, 0.4251,
0.0000

 200.6551,
140.2344, 95.9139

 1.4559, 0.0000,
0.0000

 243.8867,

 0.2955, 0.0000,

175.1955, 124.1871

0.0000

292.9204,
215.5321, 157.5330

■ 0.0000, 0.0000,
0.0000

■ 42.6513, 21.8245,
9.3617

■ 42.6513, 21.8245,
9.3617

■ 42.6494, 21.8237,
9.3528

■ 43.7389, 22.8354,
13.3153

■ 45.4758, 24.8531,
18.3825

■ 48.0156, 28.1682,
24.6695

■ 51.4561, 32.9593,
32.2591

■ 55.8799, 39.3766,
41.2257

■ 61.3598, 47.5516,
51.6376

■ 67.9615, 57.6023,
63.5579

■ 75.7454, 69.6364,
77.0460

■ 84.7670, 83.7533,
92.1578

Harmonies

Analogous

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



44.3846, 21.8245, 32.3533



42.6513, 21.8245, 9.3617



34.2408, 21.8245, 1.8807

Triad

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



42.6513, 21.8245, 9.3617



9.5343, 21.8245, 3.8559



18.1620, 21.8245, 121.2318

Complementary

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



42.6513, 21.8245, 9.3617



43.6038, 74.6573, 53.2212

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.



11.3611, 21.8245, 92.0768



42.6513, 21.8245, 9.3617



7.4685, 21.8245, 16.8464

Square

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



42.6513, 21.8245, 9.3617



14.7834, 21.8245, 0.7738



8.0167, 21.8245, 48.3230



28.1225, 21.8245, 112.4741

Rectangle

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



42.6513, 21.8245, 9.3617



27.0703, 21.8245, 0.6667



8.0167, 21.8245, 48.3230



15.4884, 21.8245, 115.0498

Sweetspot

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



42.6518, 21.8259, 9.3620



67.9428, 57.5732, 63.5245



35.5667, 16.2513, 95.8694



13.9169, 11.3660, 12.4813



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.



42.6518, 21.8259, 9.3620



42.6496, 21.8238, 9.3528



42.2489, 23.2775, 2.2682



18.2410, 18.0797, 19.8860



22.3438, 11.4268, 5.1949



2.2221, 1.1312, 0.7509

Inverse Universe

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



42.6518, 21.8259, 9.3620



42.6496, 21.8238, 9.3528



40.6705, 52.4600, 102.5894



18.2410, 18.0797, 19.8860



22.3438, 11.4268, 5.1949



2.2221, 1.1312, 0.7509

Previews

White Background



This preview shows how the XYZ color 42.6513, 21.8245, 9.3617 looks on a white background.

Color Contrast Check

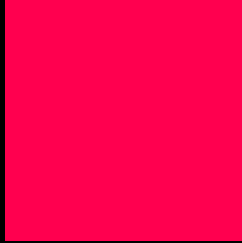
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6513, 21.8245, 9.3617 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 42.6513, 21.8245, 9.3617

Background



This preview shows how black text looks on a background with the XYZ color 42.6513, 21.8245, 9.3617.

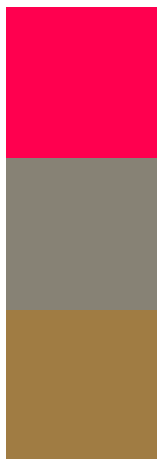


This preview shows how white text looks on a background with the XYZ color 42.6513, 21.8245,

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

42.6513, 21.8245, 9.3617

Protanopia

21.1852, 22.4005, 20.0368

Deuteranopia

22.7180, 22.2941, 8.4160



Tritanopia

41.5874, 22.1830, 3.1268

Trichromacy



Original Color

42.6513, 21.8245, 9.3617



Protanomaly

24.1318, 16.7495, 14.7931



Deuteranomaly

26.4390, 17.6490, 7.9743



Tritanomaly

41.6163, 21.7684, 4.5931

Monochromacy



Original Color

42.6513, 21.8245, 9.3617



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.9131, 9.4659, 9.2247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6513, 21.8245, 9.3617 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 42.6513, 21.8245, 9.3617 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, 79) }
```


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

```
.border{ border-color:rgb(255, 0, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.6513, 21.8245, 9.3617 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, 79) }
```

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

```
.background{ background-color: rgb(255, 0,  
79) }
```

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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