

Converting Colors

XYZ(42.8729, 21.9132, 10.5289)

Have a look what the booklet for
XYZ(42.8729, 21.9132, 10.5289)
contains.

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Color

**XYZ(42.8797, 21.9159,
10.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0055
RGB	255, 0, 85
RGB Percent	100%, 0%, 33%
CMY	0.0000, 0.9997, 0.6667
CMYK	0.00, 1.00, 0.67, 0.00
HSL	340°, 100%, 50%
HSV	340°, 100%, 100%
XYZ	42.8797, 21.9159, 10.5645
YIQ	85.9350, 124.6950, 80.4950

Conversions

Conversions Part 2

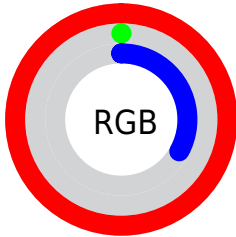
Format	Color
RYB	255, 0, 85
Decimal	16711765
CIELab	53.94, 82.02, 28.68
CIELCh	54, 86.893, 19.272
Yxy	21.9159, 0.5690, 0.2908
Android (android.graphics.Color)	4294901845 (0xFFFF0055)
YUV	85.9350, -0.4610, 148.2700
Hunter-Lab	46.8144, 81.5720, 19.3903

Details

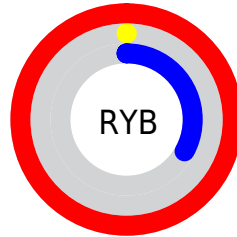
The XYZ color **42.8797, 21.9159, 10.5645** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **43.0229, 74.4249, 50.1625**, and the grayscale version is **8.8222, 9.2816, 10.1077**.

A 20% lighter version of the original color is **49.9108, 31.7166, 26.0456**, and **21.3865, 10.9789, 3.0898** is the 20% darker color. If you saturate the color by 10%, you get **42.8776, 21.9150, 10.5548**, and if you desaturate by 10%, it is **43.9982, 22.9392, 14.6804**.

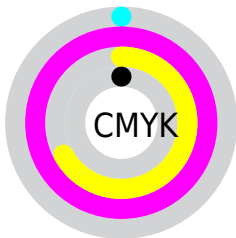
Distribution



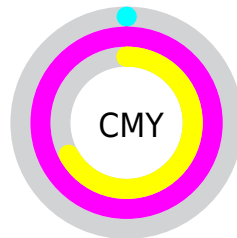
- Red (100%)
- Green (0%)
- Blue (33%)



- 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 42.8797, 21.9159, 10.5645 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 42.8797, 21.9159, 10.5645 by changing the saturation by 10% instead.


 42.8797, 21.9159,
10.5645

 42.8797, 21.9159,
10.5645


349.0467,
262.1068, 205.2839


 29.9848, 13.7951,
5.6643


 78.7861, 46.6070,
27.4762


 19.9751, 7.9783,
2.5766


 102.5284, 63.9460,
40.3249


 12.4851, 4.0811,
0.8803


 130.6173, 85.1266,
56.6601

 7.1495, 1.7190,
0.0000

 163.4180,
110.5332, 76.9005

 3.6029, 0.4359,
0.0000

 201.2959,
140.5501, 101.4645

 1.4801, 0.0000,
0.0000

 244.6164,

 0.3122, 0.0000,

175.5617, 130.7707

0.0000

293.7449,
215.9525, 165.2377

■ 0.0000, 0.0000,
0.0000

■ 42.8797, 21.9159,
10.5645

■ 42.8797, 21.9159,
10.5645

■ 42.8776, 21.9150,
10.5548

■ 43.9982, 22.9392,
14.6804

■ 45.7570, 24.9658,
19.8630

■ 48.3086, 28.2856,
26.2113

■ 51.7493, 33.0769,
33.8020

■ 56.1608, 39.4894,
42.7039

■ 61.6150, 47.6542,
52.9800

■ 68.1767, 57.6890,
64.6889

■ 75.9052, 69.7011,
77.8854

■ 84.8556, 83.7897,
92.6216

Harmonies

Analogous

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



44.0136, 21.9159, 34.8106



42.8797, 21.9159, 10.5645



34.9319, 21.9159, 2.2316

Triad

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



42.8797, 21.9159, 10.5645



9.9446, 21.9159, 3.5492



17.6542, 21.9159, 118.9036

Complementary

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



42.8797, 21.9159, 10.5645



43.0229, 74.4249, 50.1625

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.



11.1495, 21.9159, 88.1914



42.8797, 21.9159, 10.5645



7.6715, 21.9159, 15.4908

Square

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



42.8797, 21.9159, 10.5645



15.4328, 21.9159, 0.7671



8.0340, 21.9159, 45.2604



27.3593, 21.9159, 113.1938

Rectangle

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



42.8797, 21.9159, 10.5645



27.8780, 21.9159, 0.8199



8.0340, 21.9159, 45.2604



15.0835, 21.9159, 111.9336

Sweetspot

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



42.8802, 21.9173, 10.5648



68.1575, 57.6591, 64.6550



34.6332, 15.7701, 95.8257



13.9669, 11.3860, 12.7444



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.



42.8802, 21.9173, 10.5648



42.8779, 21.9151, 10.5548



42.0880, 22.9558, 2.2146



18.2590, 18.0869, 19.9808



22.4661, 11.4757, 5.8391



2.2357, 1.1367, 0.8227

Inverse Universe

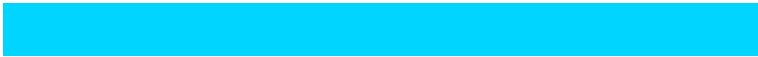
The Inverse Universe completely reimagines the original color for something new.



42.8802, 21.9173, 10.5648



42.8779, 21.9151, 10.5548



41.7222, 54.5633, 102.9399



18.2590, 18.0869, 19.9808



22.4661, 11.4757, 5.8391



2.2357, 1.1367, 0.8227

Previews

White Background



This preview shows how the XYZ color 42.8797, 21.9159, 10.5645 looks on a white background.

Color Contrast Check

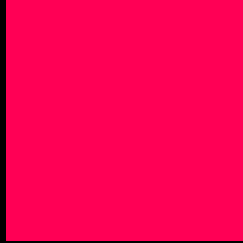
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8797, 21.9159, 10.5645 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 42.8797, 21.9159, 10.5645

Background



This preview shows how black text looks on a background with the XYZ color 42.8797, 21.9159, 10.5645.

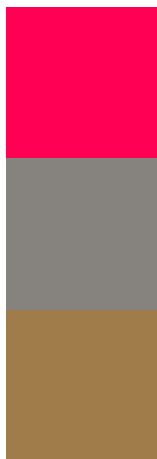


This preview shows how white text looks on a background with the XYZ color 42.8797, 21.9159,

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

42.8797, 21.9159, 10.5645

Protanopia

21.5158, 22.5143, 22.6137

Deuteranopia

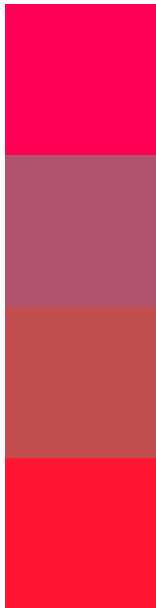
22.7083, 22.2673, 9.4045



Tritanopia

41.3144, 22.1204, 3.3205

Trichromacy



Original Color

42.8797, 21.9159, 10.5645

Protanomaly

24.2678, 16.7773, 16.7111

Deuteranomaly

26.3837, 17.5971, 9.0272

Tritanomaly

41.7357, 21.8749, 5.0402

Monochromacy



Original Color

42.8797, 21.9159, 10.5645

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

15.0785, 9.6073, 9.8638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8797, 21.9159, 10.5645 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, 85)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 42.8797, 21.9159, 10.5645 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, 85) }
```


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

```
.border{ border-color:rgb(255, 0, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.8797, 21.9159, 10.5645 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, 85) }
```

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

```
.background{ background-color: rgb(255, 0,  
85) }
```

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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