

Converting Colors

XYZ(42.9075, 21.9270, 10.7110)

Have a look what the booklet for
XYZ(42.9075, 21.9270, 10.7110)
contains.

XYZ(42.9197, 21.9319, 10.7753)	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(42.9197, 21.9319,
10.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0056
RGB	255, 0, 86
RGB Percent	100%, 0%, 34%
CMY	0.0000, 0.9997, 0.6627
CMYK	0.00, 1.00, 0.66, 0.00
HSL	340°, 100%, 50%
HSV	340°, 100%, 100%
XYZ	42.9197, 21.9319, 10.7753
YIQ	86.0490, 124.3740, 80.8060

Conversions

Conversions Part 2

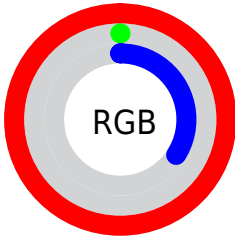
Format	Color
RYB	255, 0, 86
Decimal	16711766
CIELab	53.95, 82.07, 28.10
CIELCh	54, 86.747, 18.902
Yxy	21.9319, 0.5675, 0.2900
Android (android.graphics.Color)	4294901846 (0xFFFF0056)
YUV	86.0490, -0.0242, 148.1700
Hunter-Lab	46.8315, 81.6349, 19.1402

Details

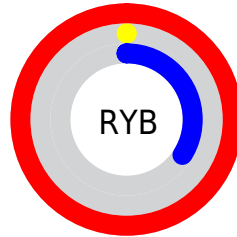
The XYZ color **42.9197, 21.9319, 10.7753** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **42.9285, 74.3871, 49.6657**, and the grayscale version is **8.8455, 9.3062, 10.1344**.

A 20% lighter version of the original color is **49.9809, 31.7446, 26.4147**, and **21.6531, 11.1143, 3.1945** is the 20% darker color. If you saturate the color by 10%, you get **42.9176, 21.9310, 10.7655**, and if you desaturate by 10%, it is **44.0431, 22.9571, 14.9168**.

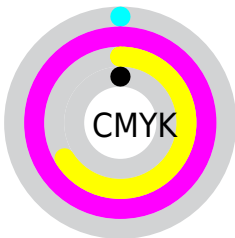
Distribution



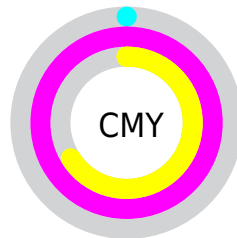
- Red (100%)
- Green (0%)
- Blue (34%)



- Red (100%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9197, 21.9319, 10.7753 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 42.9197, 21.9319, 10.7753 by changing the saturation by 10% instead.


 42.9197, 21.9319,
10.7753


 42.9197, 21.9319,
10.7753

349.2085,
262.1904, 206.8012


 30.0164, 13.8069,
5.8037


 78.8461, 46.6334,
27.8742


 19.9991, 7.9865,
2.6592


 102.6000, 63.9787,
40.8385


 12.5027, 4.0863,
0.9228


 130.7013, 85.1662,
57.3042

 7.1616, 1.7219,
0.0000

 163.5155,
110.5802, 77.6897

 3.6106, 0.4378,
0.0000

 201.4080,
140.6053, 102.4136

 1.4843, 0.0000,
0.0000

 244.7441,

 0.3151, 0.0000,

175.6258, 131.8945

0.0000

293.8892,
216.0260, 166.5508

■ 0.0000, 0.0000,
0.0000

■ 42.9197, 21.9319,
10.7753

■ 42.9197, 21.9319,
10.7753

■ 42.9176, 21.9310,
10.7655

■ 44.0431, 22.9571,
14.9168

■ 45.8052, 24.9851,
20.1172

■ 48.3585, 28.3056,
26.4743

■ 51.7990, 33.0968,
34.0638

■ 56.2082, 39.5084,
42.9536

■ 61.6579, 47.6714,
53.2059

■ 68.2127, 57.7035,
64.8786

■ 75.9319, 69.7118,
78.0258

■ 84.8703, 83.7956,
92.6988

Harmonies

Analogous

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



43.9536, 21.9319, 35.2344



42.9197, 21.9319, 10.7753



35.0496, 21.9319, 2.2942

Triad

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



42.9197, 21.9319, 10.7753



10.0146, 21.9319, 3.4995



17.5708, 21.9319, 118.5232

Complementary

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



42.9197, 21.9319, 10.7753



42.9285, 74.3871, 49.6657

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.



11.1147, 21.9319, 87.5569



42.9197, 21.9319, 10.7753



7.7059, 21.9319, 15.2719

Square

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



42.9197, 21.9319, 10.7753



15.5436, 21.9319, 0.7660



8.0370, 21.9319, 44.7632



27.2340, 21.9319, 113.3199

Rectangle

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



42.9197, 21.9319, 10.7753



28.0156, 21.9319, 0.8455



8.0370, 21.9319, 44.7632



15.0170, 21.9319, 111.4236

Sweetspot

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



42.9202, 21.9333, 10.7756



68.1935, 57.6735, 64.8448



33.7292, 15.3041, 95.7833



13.9753, 11.3894, 12.7886



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.



42.9202, 21.9333, 10.7756



42.9179, 21.9311, 10.7655



41.9432, 22.6661, 2.1664



18.2620, 18.0881, 19.9966



22.4875, 11.4843, 5.9517



2.2381, 1.1376, 0.8351

Inverse Universe

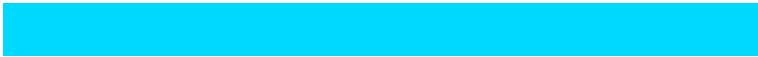
The Inverse Universe completely reimagines the original color for something new.



42.9202, 21.9333, 10.7756



42.9179, 21.9311, 10.7655



42.8018, 56.7224, 103.2997



18.2620, 18.0881, 19.9966



22.4875, 11.4843, 5.9517



2.2381, 1.1376, 0.8351

Previews

White Background



This preview shows how the XYZ color 42.9197, 21.9319, 10.7753 looks on a white background.

Color Contrast Check

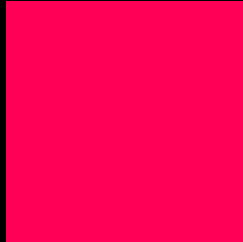
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9197, 21.9319, 10.7753 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 42.9197, 21.9319, 10.7753

Background



This preview shows how black text looks on a background with the XYZ color 42.9197, 21.9319, 10.7753.



This preview shows how white text looks on a background with the XYZ color 42.9197, 21.9319,

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

42.9197, 21.9319, 10.7753

Protanopia

21.4863, 22.4841, 23.2861

Deuteranopia

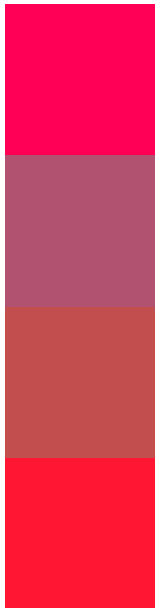
22.7418, 22.2806, 9.5805



Tritanopia

41.3434, 22.1784, 3.3301

Trichromacy



Original Color

42.9197, 21.9319, 10.7753

Protanomaly

24.1493, 16.7035, 17.2805

Deuteranomaly

26.4193, 17.6114, 9.2146

Tritanomaly

41.7357, 21.8749, 5.0402

Monochromacy



Original Color

42.9197, 21.9319, 10.7753

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 42.9197, 21.9319, 10.7753 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 42.9197, 21.9319, 10.7753 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, 86) }
```


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

```
.border{ border-color:rgb(255, 0, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.9197, 21.9319, 10.7753 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, 86) }
```

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

```
.background{ background-color: rgb(255, 0,  
86) }
```

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