

Converting Colors

XYZ(40.3172, 17.1970, 20.2879)

Have a look what the booklet for
XYZ(40.3172, 17.1970, 20.2879)
contains.

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Color

**XYZ(42.3495, 21.4117,
20.9696)**

Conversions

Conversions Part 1

Format	Color
Hex	F8007C
RGB	248, 0, 124
RGB Percent	97%, 0%, 49%
CMY	0.0275, 0.9998, 0.5137
CMYK	0.00, 1.00, 0.50, 0.03
HSL	330°, 100%, 49%
HSV	330°, 100%, 97%
XYZ	42.3495, 21.4117, 20.9696
YIQ	88.2880, 108.0040, 91.1400

Conversions

Conversions Part 2

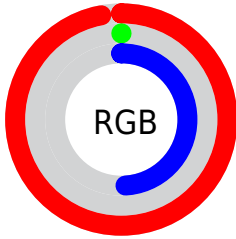
Format	Color
RYB	248, 0, 124
Decimal	16253052
CIELab	53.40, 82.77, 4.15
CIElCh	53, 82.870, 2.872
Yxy	21.4117, 0.4998, 0.2527
Android (android.graphics.Color)	4294443132 (0xFFFF8007C)
YUV	88.2880, 17.6060, 140.0674
Hunter-Lab	46.2728, 82.3884, 5.5223

Details

The XYZ color **42.3495, 21.4117, 20.9696** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **37.2100, 68.5918, 30.3674**, and the grayscale version is **9.2924, 9.7763, 10.6464**.

A 20% lighter version of the original color is **53.4442, 33.1300, 44.6522**, and **21.0717, 10.7121, 7.7945** is the 20% darker color. If you saturate the color by 10%, you get **42.3474, 21.4109, 20.9594**, and if you desaturate by 10%, it is **43.5286, 22.4348, 25.4793**.

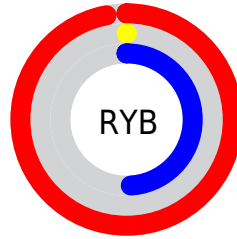
Distribution



Red (97%)

Green (0%)

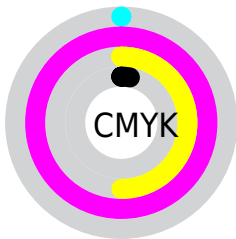
Blue (49%)



Red (97%)

Yellow (0%)

Blue (49%)

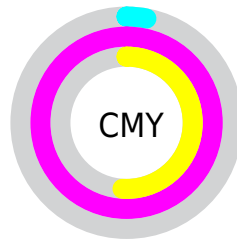


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3495, 21.4117, 20.9696 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 42.3495, 21.4117, 20.9696 by changing the saturation by 10% instead.


 42.3495, 21.4117,
20.9696

 42.3495, 21.4117,
20.9696


346.8967,
259.4584, 269.8926


 29.5674, 13.4253,
12.9108


 77.9902, 45.7717,
45.9171


 19.6569, 7.7220,
7.2371


 101.5794, 62.9141,
63.6428

 12.2527, 3.9176,
3.5301


 129.5017, 83.8773,
85.4278

 6.9894, 1.6276,
1.3713

 162.1224,
109.0456, 111.6908

 3.5018, 0.3761,
0.1192

 199.8069,
138.8035, 142.8503

 1.4243, 0.0000,
0.0000

 242.9206,

 0.2735, 0.0000,

173.5353, 179.3247

0.0000

291.8287,
213.6255, 221.5326

■ 0.0000, 0.0000,
0.0000

■ 42.3495, 21.4117,
20.9696

■ 42.3495, 21.4117,
20.9696

■ 42.3474, 21.4109,
20.9594

■ 43.5286, 22.4348,
25.4793

■ 45.2468, 24.3725,
30.6724

■ 47.6425, 27.4964,
36.6114

■ 50.8002, 31.9706,
43.3401

■ 54.7912, 37.9330,
50.8970

■ 59.6782, 45.5041,
59.3173

■ 65.5175, 54.7921,
68.6335

■ 72.3606, 65.8957,
78.8762

■ 80.2551, 78.9061,
90.0739

Harmonies

Analogous

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



39.4215, 21.4117, 53.1117



42.3495, 21.4117, 20.9696



38.1191, 21.4117, 5.6667

Triad

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



42.3495, 21.4117, 20.9696



12.4819, 21.4117, 1.7063



13.5719, 21.4117, 98.4612

Complementary

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



42.3495, 21.4117, 20.9696



37.2100, 68.5918, 30.3674

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.



9.1943, 21.4117, 60.7285



42.3495, 21.4117, 20.9696



8.7042, 21.4117, 7.4669

Square

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



42.3495, 21.4117, 20.9696



19.5153, 21.4117, 0.6501



7.7012, 21.4117, 25.8263



21.2106, 21.4117, 112.8769

Rectangle

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



42.3495, 21.4117, 20.9696



32.3629, 21.4117, 2.0934



7.7012, 21.4117, 25.8263



11.7539, 21.4117, 87.1884

Sweetspot

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



42.3501, 21.4130, 20.9699



69.7507, 58.2964, 73.0450



25.2605, 11.0660, 89.6112



14.3407, 11.5355, 14.7129



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.



42.3501, 21.4130, 20.9699



45.1014, 22.8046, 22.2638



38.7123, 19.9579, 1.8137



17.6065, 17.3700, 19.7835



22.9470, 11.5945, 11.6953



2.1788, 1.0953, 1.3649

Inverse Universe

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



42.3501, 21.4130, 20.9699



45.1014, 22.8046, 22.2638



50.5113, 73.9123, 100.4109



17.6065, 17.3700, 19.7835



22.9470, 11.5945, 11.6953



2.1788, 1.0953, 1.3649

Previews

White Background



This preview shows how the XYZ color 42.3495, 21.4117, 20.9696 looks on a white background.

Color Contrast Check

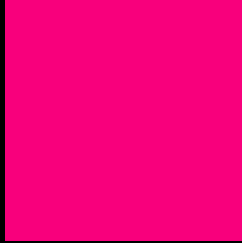
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3495, 21.4117, 20.9696 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 42.3495, 21.4117, 20.9696

Background



This preview shows how black text looks on a background with the XYZ color 42.3495, 21.4117, 20.9696.



This preview shows how white text looks on a background with the XYZ color 42.3495, 21.4117,

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

42.3495, 21.4117, 20.9696

Protanopia

22.5361, 21.9441, 45.6957

Deuteranopia

22.2775, 21.8333, 18.9597



Tritanopia

39.3089, 21.8309, 5.0477

Trichromacy



Original Color

42.3495, 21.4117, 20.9696



Protanomaly

24.1007, 16.0694, 34.6324



Deuteranomaly

25.8332, 17.0903, 19.0767



Tritanomaly

39.8005, 21.0946, 8.8114

Monochromacy



Original Color

42.3495, 21.4117, 20.9696



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.6172, 9.8789, 13.3956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3495, 21.4117, 20.9696 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(248, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 124)  
}
```

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(248, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 42.3495, 21.4117, 20.9696 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(248, 0, 124) }
```


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

```
.border{ border-color:rgb(248, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(248, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(248, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3495, 21.4117, 20.9696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 124) }
```

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

```
.background{ background-color: rgb(248, 0,  
124) }
```

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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