

Converting Colors

XYZ(42.3319, 22.3075, 67.5499)

Have a look what the booklet for
XYZ(42.3319, 22.3075, 67.5499)
contains.

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Color

**XYZ(42.4588, 22.3998,
67.7314)**

Conversions

Conversions Part 1

Format	Color
Hex	D936D9
RGB	217, 54, 217
RGB Percent	85%, 21%, 85%
CMY	0.1490, 0.7882, 0.1490
CMYK	0.00, 0.75, 0.00, 0.15
HSL	300°, 68%, 53%
HSV	300°, 75%, 85%
XYZ	42.4588, 22.3998, 67.7314
YIQ	121.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

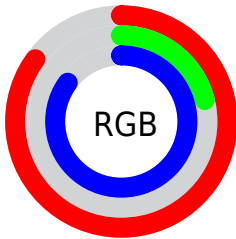
Format	Color
R _{YB}	217, 54, 217
Decimal	14235353
CIE _{Lab}	54.45, 78.56, -49.27
CIE _{LCh}	54, 92.731, 327.908
Yxy	22.3998, 0.3202, 0.1689
Android (android.graphics.Color)	4292425433 (0xFFD936D9)
YUV	121.3190, 47.1707, 83.9122
Hunter-Lab	47.3284, 77.3094, -51.7196

Details

The XYZ color **42.4588, 22.3998, 67.7314** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.0011, 50.6773, 11.8498**, and the grayscale version is **18.1206, 19.0643, 20.7610**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **20.5336, 9.8423, 34.5357** is the 20% darker color. If you saturate the color by 10%, you get **41.6650, 20.8114, 67.4669**, and if you desaturate by 10%, it is **43.7045, 24.8905, 68.1469**.

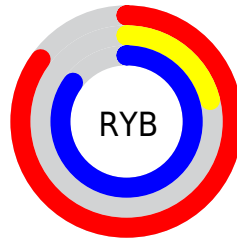
Distribution



Red (85%)

Green (21%)

Blue (85%)



Red (85%)

Yellow (21%)

Blue (85%)

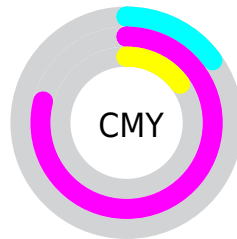


Cyan (0%)

Magenta (75%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (79%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4588, 22.3998, 67.7314 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 42.4588, 22.3998, 67.7314 by changing the saturation by 10% instead.

 42.4588, 22.3998,
67.7314


 42.4588, 22.3998,
67.7314

347.3407,
264.6271, 471.1160


 29.6534, 14.1510,
49.2139


 78.1543, 47.4059,
117.6184


 19.7224, 8.2257,
34.4224


 101.7752, 64.9319,
149.8250


 12.3005, 4.2397,
22.9383


 129.7319, 86.3192,
187.4317

 7.0223, 1.8085,
14.3431

 162.3898,
111.9520, 230.8571

 3.5225, 0.4925,
8.2182

 200.1143,
142.2148, 280.5196

 1.4357, 0.0000,
4.1451

243.2707,

 0.2815, 0.0000,

177.4920, 336.8379

1.7053

292.2244,
218.1680, 400.2305

■ 0.0000, 0.0000,
0.3644

■ 0.0000, 0.0000,
0.0000

■ 42.4588, 22.3998,
67.7314

■ 42.4588, 22.3998,
67.7314

■ 41.6650, 20.8114,
67.4669

■ 43.7045, 24.8905,
68.1469

■ 41.2553, 19.9921,
67.3302

■ 45.4527, 28.3869,
68.7297

■ 41.1401, 19.7617,
67.2918

■ 47.7500, 32.9813,
69.4955

■ 50.6369, 38.7552,
70.4579

■ 54.1504, 45.7822,
71.6292

■ 58.3242, 54.1298,
73.0205

■ 63.1898, 63.8608,
74.6424

■ 68.7764, 75.0340,
76.5047

■ 75.1118, 87.7048,
78.6166

Harmonies

Analogous

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



31.7869, 22.3998, 114.5467



42.4588, 22.3998, 67.7314



47.3358, 22.3998, 26.4856

Triad

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



42.4588, 22.3998, 67.7314



22.0102, 22.3998, 0.0844



8.2870, 22.3998, 60.9917

Complementary

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



42.4588, 22.3998, 67.7314



27.0011, 50.6773, 11.8498

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.



7.1418, 22.3998, 22.4071



42.4588, 22.3998, 67.7314



13.4036, 22.3998, 0.8341

Square

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



42.4588, 22.3998, 67.7314



33.4249, 22.3998, 1.0747



8.6723, 22.3998, 5.1220



12.5182, 22.3998, 108.9237

Rectangle

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



42.4588, 22.3998, 67.7314



45.7658, 22.3998, 10.9295



8.6723, 22.3998, 5.1220



7.6013, 22.3998, 45.9145

Sweetspot

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



42.4597, 22.4008, 67.7319



79.1089, 68.1179, 103.5860



15.3659, 8.4335, 66.4645



16.5003, 13.7156, 22.0276



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.



42.4597, 22.4008, 67.7319



59.6482, 29.1968, 97.0984



34.3441, 19.1546, 24.9956



13.6144, 13.2749, 16.4969



24.9037, 11.9625, 40.7343



1.6134, 0.7750, 2.6390

Inverse Universe

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



42.4597, 22.4008, 67.7319



59.6482, 29.1968, 97.0984



30.7438, 52.1744, 31.5588



13.6144, 13.2749, 16.4969



24.9037, 11.9625, 40.7343



1.6134, 0.7750, 2.6390

Previews

White Background



This preview shows how the XYZ color 42.4588, 22.3998, 67.7314 looks on a white background.

Color Contrast Check

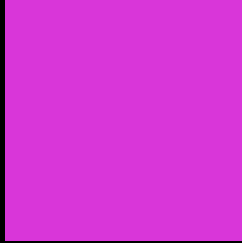
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4588, 22.3998, 67.7314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

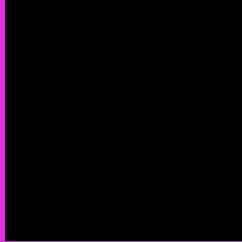
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4588, 22.3998, 67.7314

Background



This preview shows how black text looks on a background with the XYZ color 42.4588, 22.3998, 67.7314.



This preview shows how white text looks on a background with the XYZ color 42.4588, 22.3998,

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

42.4588, 22.3998, 67.7314

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.4733, 22.8625, 61.5682



Tritanopia

31.5329, 22.1824, 15.4516

Trichromacy



Original Color

42.4588, 22.3998, 67.7314



Protanomaly

26.9899, 18.8447, 85.4340



Deuteranomaly

26.6364, 19.5879, 63.3497



Tritanomaly

34.2710, 21.4538, 28.7203

Monochromacy



Original Color

42.4588, 22.3998, 67.7314



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

23.9857, 18.0176, 33.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4588, 22.3998, 67.7314 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(217, 54, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 54, 217)  
}
```

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(217, 54, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 54, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.4588, 22.3998, 67.7314 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(217, 54, 217) }
```


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

```
.border{ border-color:rgb(217, 54, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 54, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 54, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 54, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 54,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4588, 22.3998, 67.7314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 54, 217) }
```

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

```
.background{ background-color: rgb(217, 54,  
217) }
```

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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