

Converting Colors

XYZ(42.6402, 20.2991, 78.0210)

Have a look what the booklet for
XYZ(42.6402, 20.2991, 78.0210)
contains.

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Color

**XYZ(42.5898, 20.2733,
78.0123)**

Conversions

Conversions Part 1

Format	Color
Hex	D700E8
RGB	215, 0, 232
RGB Percent	84%, 0%, 91%
CMY	0.1569, 0.9999, 0.0902
CMYK	0.07, 1.00, 0.00, 0.09
HSL	296°, 100%, 45%
HSV	296°, 100%, 91%
XYZ	42.5898, 20.2733, 78.0123
YIQ	90.7330, 53.6680, 117.7320

Conversions

Conversions Part 2

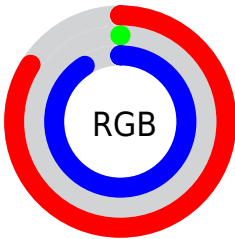
Format	Color
RYB	215, 0, 232
Decimal	14090472
CIELab	52.14, 88.88, -61.47
CIElCh	52, 108.071, 325.332
Yxy	20.2733, 0.3023, 0.1439
Android (android.graphics.Color)	4292280552 (0xFFD700E8)
YUV	90.7330, 69.6446, 108.9822
Hunter-Lab	45.0259, 90.0471, -71.2083

Details

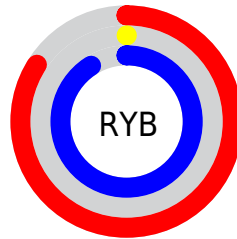
The XYZ color **42.5898, 20.2733, 78.0123** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **29.0886, 57.8329, 9.6306**, and the grayscale version is **9.7266, 10.2332, 11.1439**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.2554, 10.0637, 41.3796** is the 20% darker color. If you saturate the color by 10%, you get **42.5897, 20.2732, 78.0126**, and if you desaturate by 10%, it is **43.4032, 21.1542, 78.1398**.

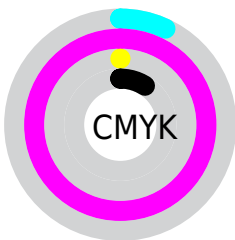
Distribution



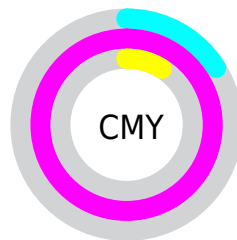
- Red (84%)
- Green (0%)
- Blue (91%)



- Red (84%)
- Yellow (0%)
- Blue (91%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (16%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5898, 20.2733, 78.0123 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 42.5898, 20.2733, 78.0123 by changing the saturation by 10% instead.


 42.5898, 20.2733,
78.0123

 42.5898, 20.2733,
78.0123


347.8723,
253.3908, 507.7376


 29.7565, 12.5939,
57.5676

 78.3511, 43.8749,
132.3535


 19.8010, 7.1495,
41.0487


 102.0098, 60.5659,
167.0870

 12.3579, 3.5558,
28.0372


 130.0076, 81.0295,
207.4206

 7.0618, 1.4283,
18.1144


 162.7101,
105.6501, 253.7727

 3.5475, 0.2374,
10.8619

 200.4824,
134.8122, 306.5619

 1.4495, 0.0000,
5.8610

 243.6900,

 0.2911, 0.0000,

168.9001, 366.2068

2.6933

292.6981,
208.2981, 433.1259

■ 0.0000, 0.0000,
0.9401

■ 0.0000, 0.0000,
0.0000

■ 42.5898, 20.2733,
78.0123

■ 42.5898, 20.2733,
78.0123

■ 42.5897, 20.2732,
78.0126

■ 43.4032, 21.1542,
78.1398

■ 44.5932, 22.7814,
78.3911

■ 46.2787, 25.3919,
78.8062

■ 48.5286, 29.1235,
79.4078

■ 51.4008, 34.0918,
80.2154

■ 54.9459, 40.3983,
81.2459

■ 59.2095, 48.1337,
82.5142

■ 64.2330, 57.3811,
84.0344

■ 70.0547, 68.2170,
85.8191

Harmonies

Analogous

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



29.8774, 20.2733, 135.5863



42.5898, 20.2733, 78.0123



49.1916, 20.2733, 27.4112

Triad

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



42.5898, 20.2733, 78.0123



21.0523, 20.2733, 0.0000



5.7295, 20.2733, 59.7400

Complementary

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



42.5898, 20.2733, 78.0123



29.0886, 57.8329, 9.6306

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.



4.8941, 20.2733, 17.4792



42.5898, 20.2733, 78.0123



11.5262, 20.2733, 0.0000

Square

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



42.5898, 20.2733, 78.0123



34.0759, 20.2733, 0.0713



6.5357, 20.2733, 2.3926



9.5263, 20.2733, 119.6318

Rectangle

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



42.5898, 20.2733, 78.0123



47.9205, 20.2733, 9.5674



6.5357, 20.2733, 2.3926



5.1746, 20.2733, 42.4157

Sweetspot

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



42.5907, 20.2742, 78.0127



73.2776, 59.4724, 102.2249



14.8049, 6.3045, 76.7808



15.1826, 11.8151, 21.7303



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.



42.5907, 20.2742, 78.0127



52.7463, 25.1066, 96.6738



37.6767, 18.9155, 24.7149



14.8854, 14.5587, 18.1699



23.6907, 11.2789, 43.3116



1.7820, 0.8496, 3.2020

Inverse Universe

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



33.3806, 17.1971, 2.0915



41.3549, 21.3060, 2.5350



31.0001, 58.5708, 20.9037



14.4196, 14.3850, 15.1442



18.5482, 9.5535, 1.2499



1.3857, 0.7120, 0.1717

Previews

White Background



This preview shows how the XYZ color 42.5898, 20.2733, 78.0123 looks on a white background.

Color Contrast Check

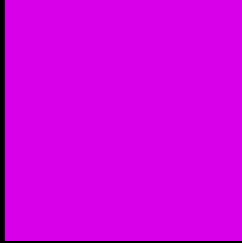
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5898, 20.2733, 78.0123 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 42.5898, 20.2733, 78.0123

Background



This preview shows how black text looks on a background with the XYZ color 42.5898, 20.2733, 78.0123.



This preview shows how white text looks on a background with the XYZ color 42.5898, 20.2733,

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

42.5898, 20.2733, 78.0123

Protanopia

25.2781, 21.2775, 97.3824

Deuteranopia

21.6604, 20.9708, 69.2358



Tritanopia

29.4519, 20.4874, 13.7114

Trichromacy



Original Color

42.5898, 20.2733, 78.0123



Protanomaly

23.7293, 14.3378, 89.5125



Deuteranomaly

22.8173, 14.5921, 71.4260



Tritanomaly

31.8782, 18.0806, 29.0039

Monochromacy



Original Color

42.5898, 20.2733, 78.0123



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5489, 10.2133, 26.6903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5898, 20.2733, 78.0123 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(215, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 232)  
}
```

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(215, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 42.5898, 20.2733, 78.0123 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(215, 0, 232) }
```


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

```
.border{ border-color:rgb(215, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5898, 20.2733, 78.0123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 232) }
```

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

```
.background{ background-color: rgb(215, 0,  
232) }
```

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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