

Converting Colors

XYZ(42.7010, 28.1233, 51.8731)

Have a look what the booklet for
XYZ(42.7010, 28.1233, 51.8731)
contains.

XYZ(42.7598, 28.1699, 51.8988)	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(42.7598, 28.1699,
51.8988)**

Conversions

Conversions Part 1

Format	Color
Hex	D967BE
RGB	217, 103, 190
RGB Percent	85%, 40%, 75%
CMY	0.1490, 0.5961, 0.2549
CMYK	0.00, 0.53, 0.12, 0.15
HSL	314°, 60%, 63%
HSV	314°, 53%, 85%
XYZ	42.7598, 28.1699, 51.8988
YIQ	147.0040, 40.0170, 51.2250

Conversions

Conversions Part 2

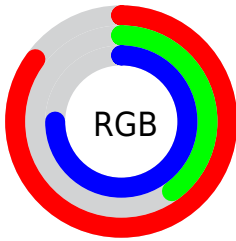
Format	Color
R _Y B	217, 103, 190
Decimal	14247870
CIE Lab	60.04, 55.35, -25.12
CIE LCh	60, 60.788, 335.589
Yxy	28.1699, 0.3481, 0.2293
Android (android.graphics.Color)	4292437950 (0xFFD967BE)
YUV	147.0040, 21.1970, 61.3865
Hunter-Lab	53.0753, 50.9256, -20.8230

Details

The XYZ color **42.7598, 28.1699, 51.8988** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.4370, 54.1220, 29.7528**, and the grayscale version is **27.6394, 29.0788, 31.6668**.

A 20% lighter version of the original color is **70.2554, 52.4291, 94.4127**, and **19.9577, 11.2842, 24.4187** is the 20% darker color. If you saturate the color by 10%, you get **40.3230, 24.1792, 48.3637**, and if you desaturate by 10%, it is **45.7782, 33.2912, 55.7261**.

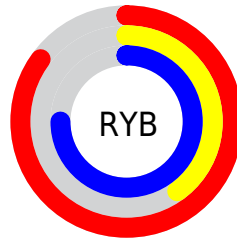
Distribution



Red (85%)

Green (40%)

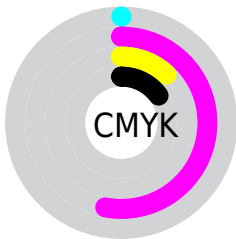
Blue (75%)



Red (85%)

Yellow (40%)

Blue (75%)

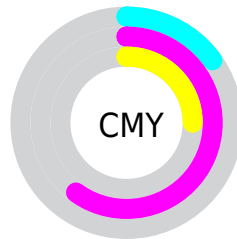


Cyan (0%)

Magenta (53%)

Yellow (12%)

Black (15%)



Cyan (15%)


Magenta (60%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7598, 28.1699, 51.8988 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 42.7598, 28.1699, 51.8988 by changing the saturation by 10% instead.


 42.7598, 28.1699,
51.8988


 42.7598, 28.1699,
51.8988

348.5613,
293.2779, 410.9916


 29.8904, 18.4538,
36.5427


 78.6062, 56.7556,
94.4070


 19.9031, 11.2763,
24.5606


 102.3140, 76.3939,
122.3963

 12.4325, 6.2530,
15.5340


 130.3652,
100.1085, 155.4337

 7.1132, 2.9995,
9.0442

 163.1253,
128.2836, 193.9377

 3.5800, 1.1315,
4.6728

200.9596,
161.3037, 238.3270

 1.4674, 0.0046,
2.0013

244.2335,

 0.3035, 0.0000,

199.5532, 289.0201

0.5560

293.3122,
243.4164, 346.4354

■ 0.0000, 0.0000,
0.0000

■ 42.7598, 28.1699,
51.8988

■ 42.7598, 28.1699,
51.8988

■ 40.3230, 24.1792,
48.3637

■ 45.7782, 33.2912,
55.7261

■ 38.4206, 21.2263,
45.1032

■ 49.4152, 39.6183,
59.8580

■ 37.0024, 19.2108,
42.0999

■ 53.7080, 47.2244,
64.3082

■ 36.0069, 18.0097,
39.3322

■ 58.6898, 56.1759,
69.0888

■ 35.4621, 17.4905,
37.3927

■ 64.3917, 66.5347,
74.2109

■ 70.8427, 78.3585,
79.6853

■ 78.0703, 91.7020,
85.5220

■ 78.8162, 92.0481,
89.3024

■ 79.5535, 92.3430,
93.1852

Harmonies

Analogous

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



36.4136, 28.1699, 80.0928



42.7598, 28.1699, 51.8988



44.5058, 28.1699, 26.7020

Triad

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



42.7598, 28.1699, 51.8988



25.3499, 28.1699, 4.7910



16.3955, 28.1699, 62.8034

Complementary

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



42.7598, 28.1699, 51.8988



34.4370, 54.1220, 29.7528

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.



14.5167, 28.1699, 35.0178



42.7598, 28.1699, 51.8988



19.0072, 28.1699, 7.4149

Square

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



42.7598, 28.1699, 51.8988



33.4152, 28.1699, 5.9165



15.3713, 28.1699, 16.2030



21.0779, 28.1699, 88.2332

Rectangle

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



42.7598, 28.1699, 51.8988



42.5832, 28.1699, 15.6890



15.3713, 28.1699, 16.2030



15.4609, 28.1699, 53.0358

Sweetspot

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



42.7607, 28.1712, 51.8994



81.8700, 76.0676, 97.0231



26.5207, 19.4261, 67.9981



17.2028, 15.7051, 20.4599



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.



42.7607, 28.1712, 51.8994



57.7917, 34.3349, 69.1923



37.7280, 26.1582, 25.3976



13.4756, 13.2193, 15.7659



21.5096, 10.6049, 22.8613



1.4260, 0.7000, 1.6523

Inverse Universe

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



42.7607, 28.1712, 51.8994



57.7917, 34.3349, 69.1923



39.3344, 56.0810, 55.5423



13.4756, 13.2193, 15.7659



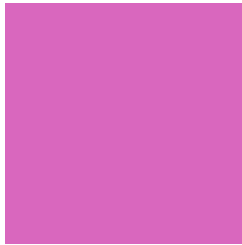
21.5096, 10.6049, 22.8613



1.4260, 0.7000, 1.6523

Previews

White Background



This preview shows how the XYZ color 42.7598, 28.1699, 51.8988 looks on a white background.

Color Contrast Check

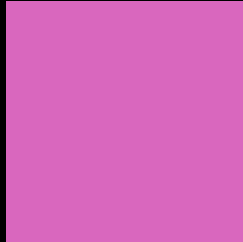
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7598, 28.1699, 51.8988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

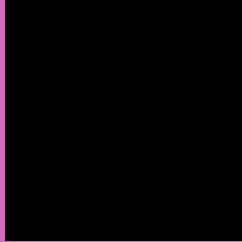
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.7598, 28.1699, 51.8988

Background



This preview shows how black text looks on a background with the XYZ color 42.7598, 28.1699, 51.8988.



This preview shows how white text looks on a background with the XYZ color 42.7598, 28.1699,

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

42.7598, 28.1699, 51.8988

Protanopia

30.3448, 28.7169, 72.3502

Deuteranopia

28.8677, 28.2539, 48.7318



Tritanopia

36.8227, 28.1649, 23.2343

Trichromacy



Original Color

42.7598, 28.1699, 51.8988



Protanomaly

32.6785, 26.9615, 64.4545



Deuteranomaly

32.5184, 27.1990, 49.9904



Tritanomaly

38.7705, 28.1263, 31.8193

Monochromacy



Original Color

42.7598, 28.1699, 51.8988



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

31.7404, 27.6476, 38.3139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7598, 28.1699, 51.8988 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, 103, 190)` looks like.

```
.text, #text, p{  
    color:rgb(217, 103, 190)  
}
```

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, 103, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 103, 190) }
```

Border

The CSS property to change the border of an element to XYZ 42.7598, 28.1699, 51.8988 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, 103, 190) }
```


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

```
.border{ border-color:rgb(217, 103, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 103, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 103, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 103, 190);  
box-shadow:4px 4px 4px 4px rgb(217, 103,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7598, 28.1699, 51.8988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 103, 190) }
```

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

```
.background{ background-color: rgb(217,  
103, 190) }
```

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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