

Converting Colors

XYZ(42.7557, 31.8772, 49.6931)

Have a look what the booklet for
XYZ(42.7557, 31.8772, 49.6931)
contains.

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Color

**XYZ(42.6689, 31.8717,
49.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	D27DB9
RGB	210, 125, 185
RGB Percent	82%, 49%, 73%
CMY	0.1765, 0.5098, 0.2745
CMYK	0.00, 0.40, 0.12, 0.18
HSL	318°, 49%, 66%
HSV	318°, 40%, 82%
XYZ	42.6689, 31.8717, 49.8019
YIQ	157.2550, 31.4000, 36.6800

Conversions

Conversions Part 2

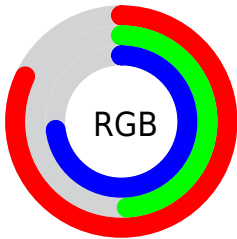
Format	Color
R _{YB}	210, 125, 185
Decimal	13794745
CIE _{Lab}	63.24, 41.31, -17.48
CIE _{LCh}	63, 44.858, 337.064
Yxy	31.8717, 0.3432, 0.2563
Android (android.graphics.Color)	4291984825 (0xFFD27DB9)
YUV	157.2550, 13.6783, 46.2574
Hunter-Lab	56.4550, 36.1146, -12.7843

Details

The XYZ color **42.6689, 31.8717, 49.8019** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.0105, 52.6561, 37.0694**, and the grayscale version is **32.0940, 33.7654, 36.7705**.

A 20% lighter version of the original color is **73.2373, 59.8511, 90.9115**, and **19.8738, 13.3011, 23.3497** is the 20% darker color. If you saturate the color by 10%, you get **39.6483, 26.8510, 45.6476**, and if you desaturate by 10%, it is **46.2818, 38.0306, 54.2941**.

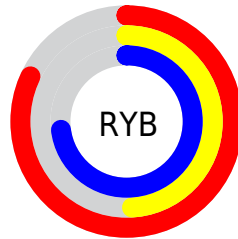
Distribution



Red (82%)

Green (49%)

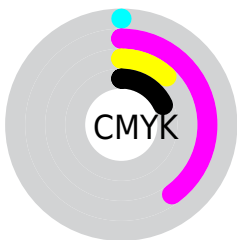
Blue (73%)



Red (82%)

Yellow (49%)

Blue (73%)

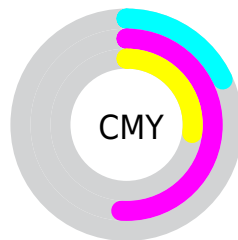


Cyan (0%)

Magenta (40%)

Yellow (12%)

Black (18%)



Cyan (18%)


Magenta (51%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6689, 31.8717, 49.8019 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 42.6689, 31.8717, 49.8019 by changing the saturation by 10% instead.


 42.6689, 31.8717,
49.8019


 42.6689, 31.8717,
49.8019


348.1930,
310.5344, 402.6036


 29.8188, 21.2635,
34.8859


 78.4698, 62.6099,
91.2746

 19.8485, 13.3168,
23.2922


 102.1513, 83.5087,
118.6684

 12.3926, 7.6470,
14.6021


 130.1741,
108.6065, 151.0585

 7.0857, 3.8699,
8.3971

162.9033,
138.2877, 188.8636

 3.5626, 1.6011,
4.2587

200.7045,
172.9367, 232.5021

 1.4578, 0.3583,
1.7683

243.9429,

 0.2968, 0.0000,

212.9379, 282.3925

0.4069

292.9840,
258.6757, 338.9535

■ 0.0000, 0.0000,
0.0000

■ 42.6689, 31.8717,
49.8019

■ 42.6689, 31.8717,
49.8019

■ 39.6483, 26.8510,
45.6476

■ 46.2818, 38.0306,
54.2941

■ 37.1809, 22.8926,
41.8154

■ 50.5170, 45.3887,
59.1348

■ 35.2276, 19.9180,
38.2909


■ 55.4059, 54.0078,
64.3367


■ 33.7425, 17.8363,
35.0568


■ 60.9769, 63.9441,
69.9108


■ 32.6712, 16.5392,
32.0932


■ 67.2568, 75.2505,
75.8677

 31.9423, 15.8472,
29.4888

 74.2706, 87.9770,
82.2174

 76.3753, 90.8364,
87.0803

 77.2496, 91.1862,
91.6843

 78.1548, 91.5483,
96.4514

Harmonies

Analogous

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



38.0717, 31.8717, 69.7521



42.6689, 31.8717, 49.8019



43.7498, 31.8717, 30.6663

Triad

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



42.6689, 31.8717, 49.8019



28.8488, 31.8717, 10.6320



21.7318, 31.8717, 59.6525

Complementary

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



42.6689, 31.8717, 49.8019



37.0105, 52.6561, 37.0694

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.



19.9244, 31.8717, 39.0789



42.6689, 31.8717, 49.8019



23.6535, 31.8717, 13.9480

Square

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



42.6689, 31.8717, 49.8019



35.1868, 31.8717, 11.7813



20.5766, 31.8717, 23.0131



25.8756, 31.8717, 76.6643

Rectangle

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



42.6689, 31.8717, 49.8019



42.2139, 31.8717, 21.3573



20.5766, 31.8717, 23.0131



20.8586, 31.8717, 52.6957

Sweetspot

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



42.6699, 31.8732, 49.8025



84.6378, 81.4404, 98.4471



31.3776, 25.7196, 64.2838



17.8936, 17.0383, 20.8392



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.



42.6699, 31.8732, 49.8025



61.9167, 42.3135, 71.4039



38.9027, 30.3663, 29.9651



12.1564, 11.9473, 14.0996



19.5300, 9.6848, 18.2290



1.1258, 0.5550, 1.1972

Inverse Universe

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



42.6699, 31.8732, 49.8025



61.9167, 42.3135, 71.4039



40.9735, 54.2413, 57.9385



12.1564, 11.9473, 14.0996



19.5300, 9.6848, 18.2290



1.1258, 0.5550, 1.1972

Previews

White Background



This preview shows how the XYZ color 42.6689, 31.8717, 49.8019 looks on a white background.

Color Contrast Check

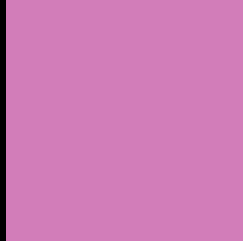
Large Text (above 18pt) WCAG AA × Fail

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 42.6689, 31.8717, 49.8019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

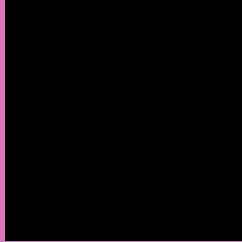
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6689, 31.8717, 49.8019

Background



This preview shows how black text looks on a background with the XYZ color 42.6689, 31.8717, 49.8019.



This preview shows how white text looks on a background with the XYZ color 42.6689, 31.8717,

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

42.6689, 31.8717, 49.8019

Protanopia

32.7748, 32.3051, 61.6348

Deuteranopia

32.7644, 32.1175, 48.1885



Tritanopia

38.5223, 31.7374, 30.0822

Trichromacy



Original Color

42.6689, 31.8717, 49.8019



Protanomaly

35.2681, 31.3766, 57.0208



Deuteranomaly

35.6476, 31.5411, 48.4652



Tritanomaly

39.8863, 31.6993, 36.3641

Monochromacy



Original Color

42.6689, 31.8717, 49.8019



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

35.0049, 32.2709, 40.9432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6689, 31.8717, 49.8019 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(210, 125, 185)` looks like.

```
.text, #text, p{  
    color:rgb(210, 125, 185)  
}
```

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(210, 125, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 125, 185) }
```

Border

The CSS property to change the border of an element to XYZ 42.6689, 31.8717, 49.8019 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(210, 125, 185) }
```


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

```
.border{ border-color:rgb(210, 125, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 125, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 125, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 125, 185);  
box-shadow:4px 4px 4px 4px rgb(210, 125,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6689, 31.8717, 49.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 125, 185) }
```

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

```
.background{ background-color: rgb(210,  
125, 185) }
```

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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