

Converting Colors

XYZ(44.7799, 31.8416, 50.7996)

Have a look what the booklet for
XYZ(44.7799, 31.8416, 50.7996)
contains.

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Color

**XYZ(44.7799, 31.8416,
50.7996)**

Conversions

Conversions Part 1

Format	Color
Hex	DB77BB
RGB	219, 119, 187
RGB Percent	86%, 47%, 73%
CMY	0.1412, 0.5333, 0.2667
CMYK	0.00, 0.46, 0.15, 0.14
HSL	319°, 58%, 66%
HSV	319°, 46%, 86%
XYZ	44.7799, 31.8416, 50.7996
YIQ	156.6520, 37.7720, 42.3480

Conversions

Conversions Part 2

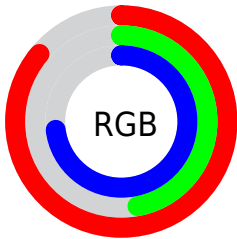
Format	Color
R _Y B	219, 119, 187
Decimal	14383035
CIE Lab	63.21, 47.63, -18.55
CIE LCh	63, 51.115, 338.725
Yxy	31.8416, 0.3514, 0.2499
Android (android.graphics.Color)	4292573115 (0xFFDB77BB)
YUV	156.6520, 14.9616, 54.6792
Hunter-Lab	56.4284, 42.9028, -13.8759

Details

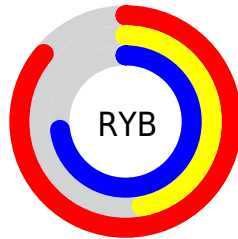
The XYZ color **44.7799, 31.8416, 50.7996** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.5266, 56.8203, 38.2175**, and the grayscale version is **31.8157, 33.4726, 36.4517**.

A 20% lighter version of the original color is **72.5537, 58.0032, 92.1658**, and **21.1516, 13.2990, 24.0064** is the 20% darker color. If you saturate the color by 10%, you get **41.7356, 26.9241, 46.1731**, and if you desaturate by 10%, it is **48.4633, 37.9776, 55.8204**.

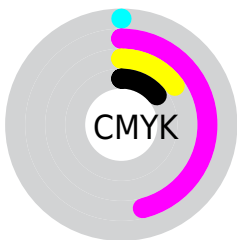
Distribution



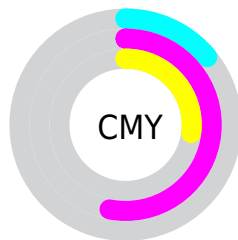
- Red (86%)
- Green (47%)
- Blue (73%)



- Red (86%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (46%)
- Yellow (15%)
- Black (14%)





- Cyan (14%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7799, 31.8416, 50.7996 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 44.7799, 31.8416, 50.7996 by changing the saturation by 10% instead.


 44.7799, 31.8416,
50.7996


 44.7799, 31.8416,
50.7996


356.6801,
310.3971, 406.6090


 31.4846, 21.2405,
35.6735


 81.6291, 62.5627,
92.7669

 21.1218, 13.2999,
23.8945


 105.9138, 83.4515,
120.4453

 13.3260, 7.6354,
15.0439


 134.5923,
108.5384, 153.1448

 7.7320, 3.8626,
8.7032

168.0301,
138.2076, 191.2841

 3.9743, 1.5970,
4.4540

206.5923,
172.8438, 235.2816

 1.6876, 0.3556,
1.8775

250.6446,

 0.4485, 0.0000,

212.8311, 285.5559

0.4784

300.5520,
258.5541, 342.5255

■ 0.0000, 0.0000,
0.0000

■ 44.7799, 31.8416,
50.7996

■ 44.7799, 31.8416,
50.7996

■ 41.7356, 26.9241,
46.1731

■ 48.4633, 37.9776,
55.8204

■ 39.2850, 23.1368,
41.9223

■ 52.8211, 45.4036,
61.2489

■ 37.3814, 20.3866,
38.0294


■ 57.8895, 54.1906,
67.0999


■ 35.9695, 18.5635,
34.4733


■ 63.7013, 64.4032,
73.3867


■ 34.9809, 17.5322,
31.2284


■ 70.2870, 76.1021,
80.1219

 34.6318, 17.2275,
29.8989

 77.6756, 89.3441,
87.3173

 80.1226, 92.6398,
93.0605

 81.1616, 93.0554,
98.5315

 82.2409, 93.4871,
104.2154

Harmonies

Analogous

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



39.5891, 31.8416, 74.7706



44.7799, 31.8416, 50.7996



45.7859, 31.8416, 29.0937

Triad

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



44.7799, 31.8416, 50.7996



28.2490, 31.8416, 8.6717



20.8505, 31.8416, 65.1700

Complementary

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



44.7799, 31.8416, 50.7996



38.5266, 56.8203, 38.2175

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.



18.7193, 31.8416, 40.9170



44.7799, 31.8416, 50.7996



22.5327, 31.8416, 12.3048

Square

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



44.7799, 31.8416, 50.7996



35.4691, 31.8416, 9.5757



19.2831, 31.8416, 22.3768



25.5956, 31.8416, 85.0675

Rectangle

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



44.7799, 31.8416, 50.7996



43.8176, 31.8416, 19.1244



19.2831, 31.8416, 22.3768



19.8411, 31.8416, 56.9465

Sweetspot

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



44.7809, 31.8431, 50.8002



82.9146, 78.5856, 96.0488



32.0853, 24.8574, 70.1253



17.3876, 16.1923, 20.1582



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.



44.7809, 31.8431, 50.8002



58.9898, 38.1235, 65.2991



40.3508, 30.0711, 27.4719



13.4279, 13.2002, 15.5143



20.5868, 10.2358, 18.0019



1.3723, 0.6786, 1.3696

Inverse Universe

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



44.7809, 31.8431, 50.8002



58.9898, 38.1235, 65.2991



43.4439, 58.7872, 64.1114



13.4279, 13.2002, 15.5143



20.5868, 10.2358, 18.0019



1.3723, 0.6786, 1.3696

Previews

White Background



This preview shows how the XYZ color 44.7799, 31.8416, 50.7996 looks on a white background.

Color Contrast Check

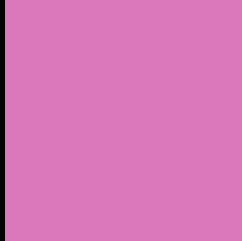
Large Text (above 18pt) WCAG AA × Fail

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 44.7799, 31.8416, 50.7996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

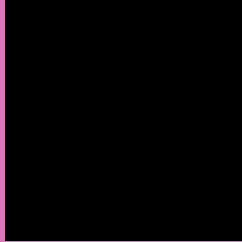
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7799, 31.8416, 50.7996

Background



This preview shows how black text looks on a background with the XYZ color 44.7799, 31.8416, 50.7996.



This preview shows how white text looks on a background with the XYZ color 44.7799, 31.8416,

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

44.7799, 31.8416, 50.7996

Protanopia

32.8528, 32.0206, 65.4218

Deuteranopia

32.8674, 32.1587, 48.7309



Tritanopia

40.2420, 31.8607, 28.4548

Trichromacy



Original Color

44.7799, 31.8416, 50.7996



Protanomaly

35.6192, 30.8365, 59.9518



Deuteranomaly

36.2444, 31.3909, 49.4962



Tritanomaly

41.6533, 31.6665, 35.3694

Monochromacy



Original Color

44.7799, 31.8416, 50.7996



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

35.7127, 32.1754, 41.3740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7799, 31.8416, 50.7996 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(219, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 187)  
}
```

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(219, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 44.7799, 31.8416, 50.7996 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(219, 119, 187) }
```


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

```
.border{ border-color:rgb(219, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7799, 31.8416, 50.7996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 187) }
```

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

```
.background{ background-color: rgb(219,  
119, 187) }
```

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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