

Converting Colors

XYZ(41.9218, 28.7014, 49.8413)

Have a look what the booklet for
XYZ(41.9218, 28.7014, 49.8413)
contains.

XYZ(41.7721, 28.6286, 49.7786)	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(41.7721, 28.6286,
49.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	D56DBA
RGB	213, 109, 186
RGB Percent	84%, 43%, 73%
CMY	0.1647, 0.5725, 0.2706
CMYK	0.00, 0.49, 0.13, 0.16
HSL	316°, 55%, 63%
HSV	316°, 49%, 84%
XYZ	41.7721, 28.6286, 49.7786
YIQ	148.8740, 37.2670, 45.9950

Conversions

Conversions Part 2

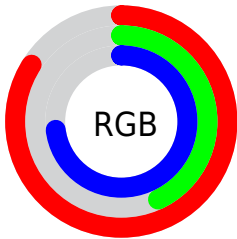
Format	Color
R_{YB}	213, 109, 186
Decimal	13987258
CIE _{Lab}	60.45, 50.61, -22.26
CIE _{LCh}	60, 55.290, 336.261
Yxy	28.6286, 0.3476, 0.2382
Android (android.graphics.Color)	4292177338 (0xFFD56DBA)
YUV	148.8740, 18.3031, 56.2385
Hunter-Lab	53.5057, 45.7206, -17.7060

Details

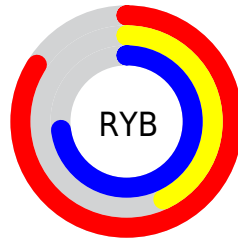
The XYZ color **41.7721, 28.6286, 49.7786** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.5461, 52.6181, 31.6303**, and the grayscale version is **28.4297, 29.9102, 32.5722**.

A 20% lighter version of the original color is **70.5425, 54.2217, 90.7522**, and **19.3101, 11.4938, 23.3911** is the 20% darker color. If you saturate the color by 10%, you get **39.1926, 24.3920, 46.0742**, and if you desaturate by 10%, it is **44.9266, 33.9780, 53.7875**.

Distribution



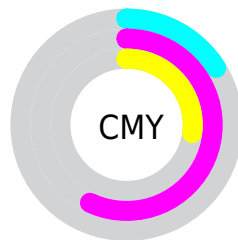
- Red (84%)
- Green (43%)
- Blue (73%)



- Red (84%)
- Yellow (43%)
- Blue (73%)



- Cyan (0%)
- Magenta (49%)
- Yellow (13%)
- Black (16%)




- Cyan (16%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7721, 28.6286, 49.7786 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 41.7721, 28.6286, 49.7786 by changing the saturation by 10% instead.


 41.7721, 28.6286,
49.7786

 41.7721, 28.6286,
49.7786

344.5451,
295.4585, 402.5097


 29.1132, 18.8000,
34.8676


 77.1219, 57.4865,
91.2397


 19.3112, 11.5259,
23.2781


 100.5436, 77.2846,
118.6268

 12.0007, 6.4217,
14.5918


 128.2835,
101.1747, 151.0097

 6.8164, 3.1032,
8.3900

 160.7071,
129.5411, 188.8069

 3.3928, 1.1858,
4.2542

198.1797,
162.7684, 232.4370

 1.3647, 0.0501,
1.7658

241.0666,

 0.2309, 0.0000,

201.2407, 282.3185

0.4052

289.7333,
245.3427, 338.8699

■ 0.0000, 0.0000,
0.0000

■ 41.7721, 28.6286,
49.7786

■ 41.7721, 28.6286,
49.7786

■ 39.1926, 24.3920,
46.0742

■ 44.9266, 33.9780,
53.7875

■ 37.1448, 21.1830,
42.6578

■ 48.6902, 40.5090,
58.1126

■ 35.5832, 18.9111,
39.5132


■ 53.0971, 48.2897,
62.7670


■ 34.4534, 17.4675,
36.6209


■ 58.1785, 57.3816,
67.7620


■ 33.6697, 16.6813,
33.9512


■ 63.9634, 67.8425,
73.1087

 33.5865, 16.6045,
33.6471

 70.4789, 79.7265,
78.8171

 76.7520, 91.0867,
84.5641

 77.5176, 91.3930,
88.5958

 78.3079, 91.7091,
92.7573

Harmonies

Analogous

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



36.1420, 28.6286, 74.7027



41.7721, 28.6286, 49.7786



43.2219, 28.6286, 27.0864

Triad

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



41.7721, 28.6286, 49.7786



25.7440, 28.6286, 6.1785



17.5937, 28.6286, 60.6038

Complementary

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



41.7721, 28.6286, 49.7786



34.5461, 52.6181, 31.6303

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.



15.7405, 28.6286, 35.6484



41.7721, 28.6286, 49.7786



19.8871, 28.6286, 9.0347

Square

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



41.7721, 28.6286, 49.7786



33.1050, 28.6286, 7.2876



16.5002, 28.6286, 17.8974



22.0610, 28.6286, 82.6287

Rectangle

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



41.7721, 28.6286, 49.7786



41.4339, 28.6286, 16.8378



16.5002, 28.6286, 17.8974



16.6835, 28.6286, 51.9477

Sweetspot

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



41.7730, 28.6299, 49.7792



82.4805, 77.3537, 97.0252



27.4720, 20.8939, 65.5362



17.3174, 15.9560, 20.4309



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.



41.7730, 28.6299, 49.7792



58.6326, 36.2264, 68.8265



37.2835, 26.8341, 26.1378



12.8089, 12.5751, 14.9340



20.5597, 10.1602, 20.7832



1.2730, 0.6260, 1.4270

Inverse Universe

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



41.7730, 28.6299, 49.7792



58.6326, 36.2264, 68.8265



39.0716, 54.4283, 55.4612



12.8089, 12.5751, 14.9340



20.5597, 10.1602, 20.7832



1.2730, 0.6260, 1.4270

Previews

White Background



This preview shows how the XYZ color 41.7721, 28.6286, 49.7786 looks on a white background.

Color Contrast Check

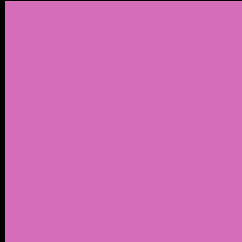
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7721, 28.6286, 49.7786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

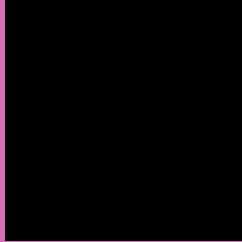
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7721, 28.6286, 49.7786

Background



This preview shows how black text looks on a background with the XYZ color 41.7721, 28.6286, 49.7786.



This preview shows how white text looks on a background with the XYZ color 41.7721, 28.6286,

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

41.7721, 28.6286, 49.7786

Protanopia

30.1691, 28.9851, 66.2919

Deuteranopia

29.3884, 28.7798, 47.1861



Tritanopia

36.5988, 28.5518, 24.7012

Trichromacy



Original Color

41.7721, 28.6286, 49.7786



Protanomaly

32.6061, 27.6123, 60.1111



Deuteranomaly

32.7082, 27.9348, 47.9240



Tritanomaly

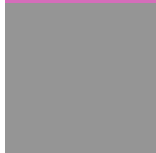
38.1608, 28.4799, 32.3400

Monochromacy



Original Color

41.7721, 28.6286, 49.7786



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.0599, 28.4295, 37.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7721, 28.6286, 49.7786 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(213, 109, 186)` looks like.

```
.text, #text, p{  
    color:rgb(213, 109, 186)  
}
```

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(213, 109, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 109, 186) }
```

Border

The CSS property to change the border of an element to XYZ 41.7721, 28.6286, 49.7786 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(213, 109, 186) }
```


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

```
.border{ border-color:rgb(213, 109, 186) }
```

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

Here you see how a box with a 4 pixel rgb(213, 109, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 109, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 109, 186);  
box-shadow:4px 4px 4px 4px rgb(213, 109,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7721, 28.6286, 49.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 109, 186) }
```

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

```
.background{ background-color: rgb(213,  
109, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor