

Converting Colors

XYZ(41.8126, 28.8532, 60.8775)

Have a look what the booklet for
XYZ(41.8126, 28.8532, 60.8775)
contains.

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Color

**XYZ(41.9905, 28.9753,
61.1373)**

Conversions

Conversions Part 1

Format	Color
Hex	CD70CD
RGB	205, 112, 205
RGB Percent	80%, 44%, 80%
CMY	0.1961, 0.5608, 0.1961
CMYK	0.00, 0.45, 0.00, 0.20
HSL	300°, 48%, 62%
HSV	300°, 45%, 80%
XYZ	41.9905, 28.9753, 61.1373
YIQ	150.4090, 25.5750, 48.6390

Conversions

Conversions Part 2

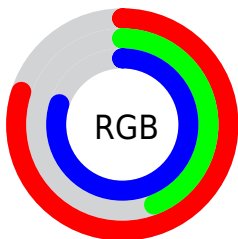
Format	Color
R _{YB}	205, 112, 205
Decimal	13463757
CIE Lab	60.76, 49.95, -32.65
CIE LCh	61, 59.675, 326.825
Yxy	28.9753, 0.3179, 0.2193
Android (android.graphics.Color)	4291653837 (0xFFCD70CD)
YUV	150.4090, 26.9134, 47.8763
Hunter-Lab	53.8287, 45.0434, -29.6600

Details

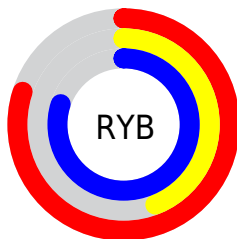
The XYZ color **41.9905, 28.9753, 61.1373** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.4393, 48.2784, 22.9925**, and the grayscale version is **29.0457, 30.5583, 33.2780**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **19.4634, 11.7195, 30.0904** is the 20% darker color. If you saturate the color by 10%, you get **39.9811, 24.9559, 60.4677**, and if you desaturate by 10%, it is **44.5167, 34.0270, 61.9797**.

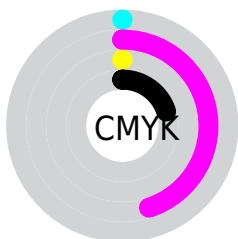
Distribution



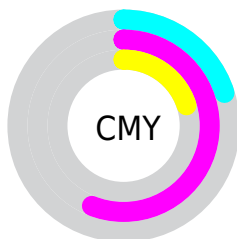
- Red (80%)
- Green (44%)
- Blue (80%)



- Red (80%)
- Yellow (44%)
- Blue (80%)



- Cyan (0%)
- Magenta (45%)
- Yellow (0%)
- Black (20%)



- Cyan (20%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9905, 28.9753, 61.1373 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 41.9905, 28.9753, 61.1373 by changing the saturation by 10% instead.

41.9905, 28.9753,
61.1373

41.9905, 28.9753,
61.1373

345.4359,
297.0984, 446.6977

29.2849, 19.0621,
43.9047

77.4505, 58.0378,
108.0372

19.4418, 11.7152,
30.2590

100.9356, 77.9560,
138.5415

12.0959, 6.5501,
19.7815

128.7447,
101.9780, 174.3069

6.8817, 3.1823,
12.0538

161.2430,
130.4881, 215.7518

3.4339, 1.2277,
6.6574

198.7959,
163.8708, 263.2948

1.3871, 0.0841,
3.1736

241.7688,

0.2470, 0.0000,

202.5105, 317.3544

1.1839

290.5270,
246.7916, 378.3492

■ 0.0000, 0.0000,
0.0000

■ 41.9905, 28.9753,
61.1373

■ 41.9905, 28.9753,
61.1373

■ 39.9811, 24.9559,
60.4677

■ 44.5167, 34.0270,
61.9797

■ 38.4503, 21.8942,
59.9573

■ 47.5889, 40.1714,
63.0039

■ 37.3590, 19.7117,
59.5935

■ 51.2375, 47.4685,
64.2202

■ 36.6611, 18.3159,
59.3607

■ 55.4899, 55.9732,
65.6378

■ 36.2998, 17.5934,
59.2402

■ 60.3716, 65.7367,
67.2651

■ 36.1967, 17.3871,
59.2058

■ 65.9069, 76.8072,
69.1103

■ 71.9569, 88.9072,
71.1271

■ 71.9569, 88.9072,
71.1272

■ 71.9569, 88.9072,
71.1273

Harmonies

Analogous

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



34.8270, 28.9753, 87.0131



41.9905, 28.9753, 61.1373



45.2591, 28.9753, 33.9721

Triad

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



41.9905, 28.9753, 61.1373



28.3737, 28.9753, 5.2430



16.2677, 28.9753, 54.9927

Complementary

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



41.9905, 28.9753, 61.1373



31.4393, 48.2784, 22.9925

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.



15.1801, 28.9753, 29.2443



41.9905, 28.9753, 61.1373



21.3480, 28.9753, 6.7339

Square

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



41.9905, 28.9753, 61.1373



36.5254, 28.9753, 7.6137



16.8556, 28.9753, 13.4846



20.1644, 28.9753, 82.4473

Rectangle

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



41.9905, 28.9753, 61.1373



44.4080, 28.9753, 20.7383



16.8556, 28.9753, 13.4846



15.5973, 28.9753, 45.5846

Sweetspot

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



41.9915, 28.9766, 61.1379



84.6998, 79.2997, 105.4497



23.4971, 19.4424, 60.2728



17.8265, 16.3679, 22.4697



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.



41.9915, 28.9766, 61.1379



65.6861, 41.2725, 99.1112



37.1869, 27.0548, 35.8374



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8572



1.1625, 0.5584, 1.9014

Inverse Universe

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



41.9915, 28.9766, 61.1379



65.6861, 41.2725, 99.1112



34.7294, 49.5944, 40.3176



11.6876, 11.4038, 14.1555



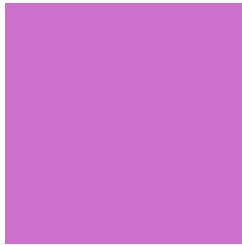
22.5334, 10.8240, 36.8572



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 41.9905, 28.9753, 61.1373 looks on a white background.

Color Contrast Check

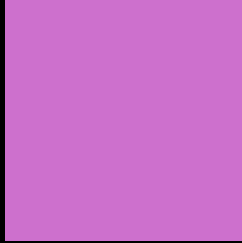
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9905, 28.9753, 61.1373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

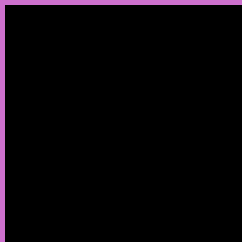
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.9905, 28.9753, 61.1373

Background



This preview shows how black text looks on a background with the XYZ color 41.9905, 28.9753, 61.1373.



This preview shows how white text looks on a background with the XYZ color 41.9905, 28.9753,

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

41.9905, 28.9753, 61.1373

Protanopia

31.3365, 29.2934, 79.6039

Deuteranopia

29.9499, 29.2799, 58.1059



Tritanopia

34.9995, 28.9802, 27.4160

Trichromacy



Original Color

41.9905, 28.9753, 61.1373



Protanomaly

33.4687, 27.9795, 72.7438



Deuteranomaly

33.2282, 28.3630, 58.9816



Tritanomaly

37.0343, 28.6698, 37.7643

Monochromacy



Original Color

41.9905, 28.9753, 61.1373



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

32.6374, 29.0566, 41.9185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9905, 28.9753, 61.1373 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(205, 112, 205)` looks like.

```
.text, #text, p{  
    color:rgb(205, 112, 205)  
}
```

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(205, 112, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 112, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.9905, 28.9753, 61.1373 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(205, 112, 205) }
```


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

```
.border{ border-color:rgb(205, 112, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 112, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 112, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 112, 205);  
box-shadow:4px 4px 4px 4px rgb(205, 112,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9905, 28.9753, 61.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 112, 205) }
```

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

```
.background{ background-color: rgb(205,  
112, 205) }
```

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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