

Converting Colors

XYZ(28.4227, 19.4453, 41.9937)

Have a look what the booklet for
XYZ(28.4227, 19.4453, 41.9937)
contains.

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Color

**XYZ(28.3832, 19.4421,
41.7919)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5CAD
RGB	172, 92, 173
RGB Percent	67%, 36%, 68%
CMY	0.3255, 0.6392, 0.3216
CMYK	0.01, 0.47, 0.00, 0.32
HSL	299°, 33%, 52%
HSV	299°, 47%, 68%
XYZ	28.3832, 19.4421, 41.7919
YIQ	125.1540, 21.6790, 42.1510

Conversions

Conversions Part 2

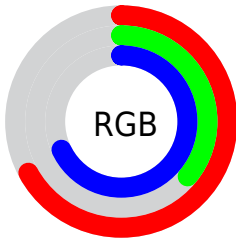
Format	Color
R_{YB}	172, 92, 173
Decimal	11295917
CIE _{Lab}	51.20, 44.55, -29.48
CIE _{LCh}	51, 53.420, 326.500
Yxy	19.4421, 0.3167, 0.2169
Android (android.graphics.Color)	4289485997 (0xFFAC5CAD)
YUV	125.1540, 23.5881, 41.0839
Hunter-Lab	44.0932, 37.7390, -25.3303

Details

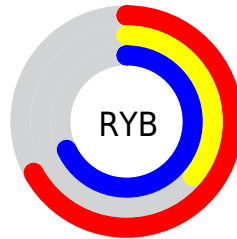
The XYZ color **28.3832, 19.4421, 41.7919** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.3902, 32.9875, 15.3661**, and the grayscale version is **19.4634, 20.4771, 22.2995**.

A 20% lighter version of the original color is **56.5814, 42.5660, 79.3626**, and **11.6543, 6.7935, 18.4663** is the 20% darker color. If you saturate the color by 10%, you get **27.0056, 16.7559, 41.3463**, and if you desaturate by 10%, it is **30.1044, 22.8144, 42.3524**.

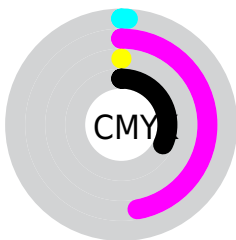
Distribution



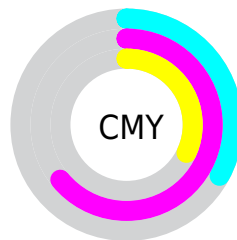
- Red (67%)
- Green (36%)
- Blue (68%)



- Red (67%)
- Yellow (36%)
- Blue (68%)



- Cyan (1%)
- Magenta (47%)
- Yellow (0%)
- Black (32%)



- Cyan (33%)
- Magenta (64%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3832, 19.4421, 41.7919 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 28.3832, 19.4421, 41.7919 by changing the saturation by 10% instead.

■ 28.3832, 19.4421,
41.7919

■ 28.3832, 19.4421,
41.7919

286.3405,
248.8786, 369.3937

■ 18.7566, 11.9902,
28.6140

■ 56.5000, 42.4798,
79.1513

■ 11.5975, 6.7370,
18.5460

■ 75.7210, 58.8344,
104.1698

■ 6.5405, 3.2982,
11.1692

■ 98.8709, 78.9253,
133.9724

■ 3.2202, 1.2893,
6.0652

■ 126.3150,
103.1369, 168.9775

■ 1.2712, 0.1329,
2.8153

158.4186,
131.8537, 209.6036

■ 0.1615, 0.0000,
1.0011

195.5471,

■ 0.0000, 0.0000,

165.4600, 256.2693

0.0000

238.0660,
204.3402, 309.3932

■ 28.3832, 19.4421,
41.7919

■ 28.3832, 19.4421,
41.7919

■ 27.0056, 16.7559,
41.3463

■ 30.1044, 22.8144,
42.3524

■ 25.9460, 14.7061,
41.0065

■ 32.1886, 26.9131,
43.0337

■ 25.1784, 13.2402,
40.7640


■ 34.6561, 31.7782,
43.8427


■ 24.6720, 12.2966,
40.6086


■ 37.5251, 37.4462,
44.7855


■ 24.3827, 11.7871,
40.5255


■ 40.8126, 43.9512,
45.8678

 24.3082, 11.6600,
40.5049

 44.5348, 51.3254,
47.0950

 48.7068, 59.5992,
48.4721

 53.3433, 68.8016,
50.0040

 58.4579, 78.9604,
51.6953

Harmonies

Analogous

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



23.4268, 19.4421, 59.6733



28.3832, 19.4421, 41.7919



30.6779, 19.4421, 23.0075

Triad

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



28.3832, 19.4421, 41.7919



19.1104, 19.4421, 3.3296



10.7564, 19.4421, 37.1064

Complementary

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



28.3832, 19.4421, 41.7919



21.3902, 32.9875, 15.3661

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.



10.0374, 19.4421, 19.4314



28.3832, 19.4421, 41.7919



14.2823, 19.4421, 4.2900

Square

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



28.3832, 19.4421, 41.7919



24.7161, 19.4421, 4.9368



11.1974, 19.4421, 8.7717



13.3910, 19.4421, 56.1769

Rectangle

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



28.3832, 19.4421, 41.7919



30.1178, 19.4421, 13.8944



11.1974, 19.4421, 8.7717



10.3074, 19.4421, 30.6219

Sweetspot

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



28.3839, 19.4430, 41.7923



63.3196, 59.3857, 78.9310



15.9025, 13.1837, 41.2420



13.5388, 12.4676, 17.0806



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3839, 19.4430, 41.7923



48.3307, 29.9413, 74.0377



25.3540, 18.2565, 24.6879



8.3272, 8.1430, 10.0856



17.8617, 8.5679, 29.7569



0.4999, 0.2399, 0.8279

Inverse Universe

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



23.0372, 17.3297, 12.4876



37.6156, 25.7107, 15.1096



23.4648, 33.8057, 26.8154



8.0091, 8.0169, 8.3588



12.6708, 6.5309, 0.6461



0.3538, 0.1822, 0.0247

Previews

White Background



This preview shows how the XYZ color 28.3832, 19.4421, 41.7919 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 28.3832, 19.4421, 41.7919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

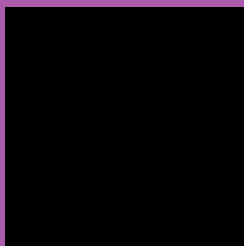
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3832, 19.4421, 41.7919

Background



This preview shows how black text looks on a background with the XYZ color 28.3832, 19.4421, 41.7919.



This preview shows how white text looks on a background with the XYZ color 28.3832, 19.4421,

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

28.3832, 19.4421, 41.7919

Protanopia

21.1945, 19.7456, 54.9188

Deuteranopia

20.0896, 19.6900, 39.7875



Tritanopia

23.7083, 19.5223, 18.4382

Trichromacy



Original Color

28.3832, 19.4421, 41.7919

Protanomaly

22.6791, 18.9203, 50.0336

Deuteranomaly

22.1917, 18.8794, 40.5047

Tritanomaly

25.1753, 19.3815, 25.3358

Monochromacy



Original Color

28.3832, 19.4421, 41.7919

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.9429, 19.5140, 28.2013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3832, 19.4421, 41.7919 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(172, 92, 173)` looks like.

```
.text, #text, p{  
    color:rgb(172, 92, 173)  
}
```

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(172, 92, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 92, 173) }
```

Border

The CSS property to change the border of an element to XYZ 28.3832, 19.4421, 41.7919 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(172, 92, 173) }
```


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

```
.border{ border-color:rgb(172, 92, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 92, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 92, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 92, 173);  
box-shadow:4px 4px 4px 4px rgb(172, 92,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3832, 19.4421, 41.7919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 92, 173) }
```

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

```
.background{ background-color: rgb(172, 92,  
173) }
```

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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