

Converting Colors

XYZ(28.2169, 15.4429, 17.0584)

Have a look what the booklet for
XYZ(28.2169, 15.4429, 17.0584)
contains.

XYZ(28.1657, 15.4047, 17.1117)	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(28.1657, 15.4047,
17.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	CA2A71
RGB	202, 42, 113
RGB Percent	79%, 16%, 44%
CMY	0.2078, 0.8352, 0.5569
CMYK	0.00, 0.79, 0.44, 0.21
HSL	333°, 66%, 48%
HSV	333°, 79%, 79%
XYZ	28.1657, 15.4047, 17.1117
YIQ	97.9340, 72.5690, 56.0010

Conversions

Conversions Part 2

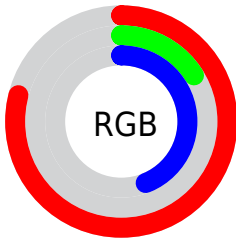
Format	Color
R_{YB}	202, 42, 113
Decimal	13249137
CIE Lab	46.18, 65.31, -0.72
CIE LCh	46, 65.319, 359.371
Yxy	15.4047, 0.4642, 0.2539
Android (android.graphics.Color)	4291439217 (0xFFCA2A71)
YUV	97.9340, 7.4275, 91.2659
Hunter-Lab	39.2488, 59.4096, 1.6249

Details

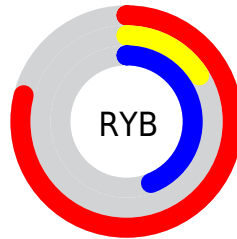
The XYZ color **28.1657, 15.4047, 17.1117** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **26.1733, 44.3725, 28.6621**, and the grayscale version is **11.5638, 12.1661, 13.2488**.

A 20% lighter version of the original color is **52.9818, 33.8772, 39.3438**, and **12.1095, 6.1324, 5.5465** is the 20% darker color. If you saturate the color by 10%, you get **27.0270, 14.0778, 13.8017**, and if you desaturate by 10%, it is **29.7444, 17.4861, 20.9551**.

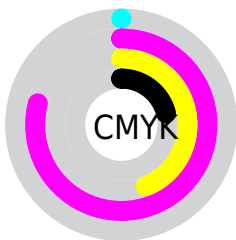
Distribution



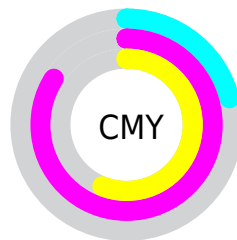
- Red (79%)
- Green (16%)
- Blue (44%)



- Red (79%)
- Yellow (16%)
- Blue (44%)



- Cyan (0%)
- Magenta (79%)
- Yellow (44%)
- Black (21%)





- Cyan (21%)
- Magenta (84%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1657, 15.4047, 17.1117 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 28.1657, 15.4047, 17.1117 by changing the saturation by 10% instead.

 28.1657, 15.4047,
17.1117


 28.1657, 15.4047,
17.1117


285.3236,
225.8029, 247.8810


 18.5917, 9.1039,
10.1514


 56.1557, 35.5616,
39.3110


 11.4779, 4.8090,
5.3925


 75.3024, 50.1865,
55.3871


 6.4589, 2.1356,
2.4166


 98.3706, 68.3549,
75.3388

 3.1694, 0.6846,
0.7955

 125.7259, 90.4511,
99.5847

 1.2439, 0.0000,
0.0000

 157.7335,
116.8597, 128.5433

 0.1406, 0.0000,
0.0000

 194.7587,

 0.0000, 0.0000,

147.9649, 162.6332

0.0000

237.1669,
184.1511, 202.2729

■ 28.1657, 15.4047,
17.1117

■ 28.1657, 15.4047,
17.1117

■ 27.0270, 14.0778,
13.8017

■ 29.7444, 17.4861,
20.9551

■ 26.2425, 13.3387,
10.9822

■ 31.8122, 20.4161,
25.3612

■ 26.1868, 13.2884,
10.7751

■ 34.4126, 24.2775,
30.3575

■ 37.5838, 29.1427,
35.9687

■ 41.3602, 35.0766,
42.2180

■ 45.7733, 42.1388,
49.1271

■ 50.8524, 50.3844,
56.7166

■ 56.6250, 59.8648,
65.0059

■ 63.1169, 70.6286,
74.0139

Harmonies

Analogous

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



25.9193, 15.4047, 37.7413



28.1657, 15.4047, 17.1117



26.0915, 15.4047, 5.7824

Triad

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



28.1657, 15.4047, 17.1117



9.9940, 15.4047, 1.7311



9.8372, 15.4047, 59.3990

Complementary

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



28.1657, 15.4047, 17.1117



26.1733, 44.3725, 28.6621

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.



7.1541, 15.4047, 36.7498



28.1657, 15.4047, 17.1117



7.2272, 15.4047, 5.5007

Square

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



28.1657, 15.4047, 17.1117



14.7595, 15.4047, 1.0010



6.3344, 15.4047, 16.4390



14.5246, 15.4047, 69.8955

Rectangle

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



28.1657, 15.4047, 17.1117



22.7765, 15.4047, 2.6063



6.3344, 15.4047, 16.4390



8.7190, 15.4047, 52.4562

Sweetspot

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



28.1661, 15.4056, 17.1119



73.5325, 64.9727, 77.0407



20.6958, 10.6673, 56.8452



15.1779, 13.0118, 15.6025



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.



28.1661, 15.4056, 17.1119



44.7854, 22.9034, 19.9058



25.9163, 15.0060, 3.7221



11.4157, 11.2950, 12.7236



16.8943, 8.5683, 7.1619



0.9095, 0.4572, 0.5695

Inverse Universe

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



28.1661, 15.4056, 17.1119



44.7854, 22.9034, 19.9058



30.9079, 43.3405, 62.6135



11.4157, 11.2950, 12.7236



16.8943, 8.5683, 7.1619



0.9095, 0.4572, 0.5695

Previews

White Background



This preview shows how the XYZ color 28.1657, 15.4047, 17.1117 looks on a white background.

Color Contrast Check

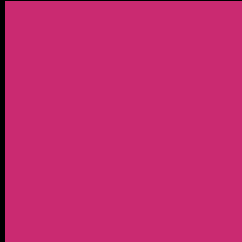
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.1657, 15.4047, 17.1117 looks on a black 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

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

XYZ 28.1657, 15.4047, 17.1117

Background



This preview shows how black text looks on a background with the XYZ color 28.1657, 15.4047, 17.1117.



This preview shows how white text looks on a background with the XYZ color 28.1657, 15.4047,

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

28.1657, 15.4047, 17.1117

Protanopia

16.1482, 15.7786, 32.3315

Deuteranopia

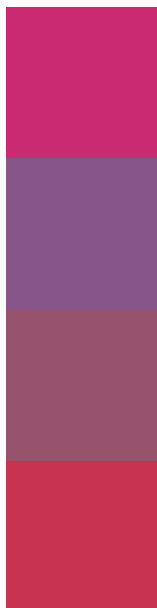
15.9759, 15.7463, 15.5619



Tritanopia

25.8819, 15.4945, 5.9016

Trichromacy



Original Color

28.1657, 15.4047, 17.1117

Protanomaly

17.8276, 13.4829, 25.7076

Deuteranomaly

18.7489, 13.9446, 15.8908

Tritanomaly

26.4587, 15.2999, 8.9558

Monochromacy



Original Color

28.1657, 15.4047, 17.1117

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.3259, 11.6623, 14.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1657, 15.4047, 17.1117 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(202, 42, 113)` looks like.

```
.text, #text, p{  
    color:rgb(202, 42, 113)  
}
```

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(202, 42, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 42, 113) }
```

Border

The CSS property to change the border of an element to XYZ 28.1657, 15.4047, 17.1117 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(202, 42, 113) }
```


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

```
.border{ border-color:rgb(202, 42, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 42, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 42, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 42, 113);  
box-shadow:4px 4px 4px 4px rgb(202, 42,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1657, 15.4047, 17.1117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 42, 113) }
```

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

```
.background{ background-color: rgb(202, 42,  
113) }
```

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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