

Converting Colors

XYZ(28.2245, 16.4139, 21.9306)

Have a look what the booklet for
XYZ(28.2245, 16.4139, 21.9306)
contains.

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Color

**XYZ(28.2252, 16.4222,
22.1042)**

Conversions

Conversions Part 1

Format	Color
Hex	C43B80
RGB	196, 59, 128
RGB Percent	77%, 23%, 50%
CMY	0.2314, 0.7686, 0.4980
CMYK	0.00, 0.70, 0.35, 0.23
HSL	330°, 54%, 50%
HSV	330°, 70%, 77%
XYZ	28.2252, 16.4222, 22.1042
YIQ	107.8290, 59.5030, 50.5030

Conversions

Conversions Part 2

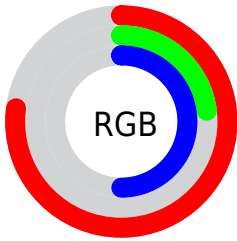
Format	Color
R_{YB}	196, 59, 128
Decimal	12860288
CIE _{Lab}	47.52, 59.77, -8.02
CIE _{LCh}	48, 60.309, 352.357
Yxy	16.4222, 0.4228, 0.2460
Android (android.graphics.Color)	4291050368 (0xFFC43B80)
YUV	107.8290, 9.9443, 77.3260
Hunter-Lab	40.5243, 53.4078, -3.9730

Details

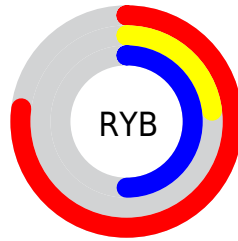
The XYZ color **28.2252, 16.4222, 22.1042** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **25.3754, 41.9425, 26.8397**, and the grayscale version is **14.1683, 14.9062, 16.2328**.

A 20% lighter version of the original color is **55.8259, 37.0870, 47.9322**, and **11.8925, 5.9678, 7.9222** is the 20% darker color. If you saturate the color by 10%, you get **26.7901, 14.5282, 18.6164**, and if you desaturate by 10%, it is **30.1007, 19.0985, 26.0420**.

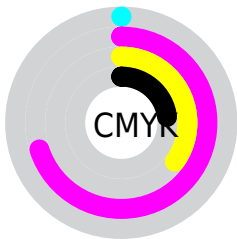
Distribution



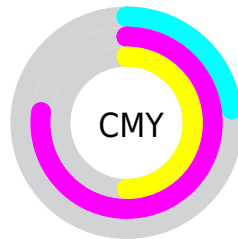
- Red (77%)
- Green (23%)
- Blue (50%)



- Red (77%)
- Yellow (23%)
- Blue (50%)



- Cyan (0%)
- Magenta (70%)
- Yellow (35%)
- Black (23%)





- Cyan (23%)
- Magenta (77%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2252, 16.4222, 22.1042 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 28.2252, 16.4222, 22.1042 by changing the saturation by 10% instead.


 28.2252, 16.4222,
22.1042


 28.2252, 16.4222,
22.1042

285.6020,
231.8203, 276.0612


 18.6368, 9.8234,
13.7344


 56.2499, 37.3296,
47.8226


 11.5106, 5.2820,
7.7996


 75.4170, 52.4070,
66.0082


 6.4812, 2.4137,
3.8810


 98.5076, 71.0795,
88.3029

 3.1832, 0.8329,
1.5603

 125.8872, 93.7313,
115.1253

 1.2514, 0.0000,
0.2623

 157.9210,
120.7469, 146.8937

 0.1464, 0.0000,
0.0000

194.9746,

 0.0000, 0.0000,

152.5106, 184.0268

0.0000

237.4131,
189.4070, 226.9431

■ 28.2252, 16.4222,
22.1042

■ 28.2252, 16.4222,
22.1042

■ 26.7901, 14.5282,
18.6164

■ 30.1007, 19.0985,
26.0420

■ 25.7475, 13.3236,
15.5538

■ 32.4547, 22.6312,
30.4504

■ 25.0105, 12.6376,
12.8787

■ 35.3227, 27.0883,
35.3491

■ 25.0033, 12.6311,
12.8520

■ 38.7361, 32.5303,
40.7561

■ 42.7239, 39.0127,
46.6883

■ 47.3127, 46.5867,
53.1618

■ 52.5275, 55.2999,
60.1918

■ 58.3920, 65.1975,
67.7927

■ 64.9284, 76.3218,
75.9784

Harmonies

Analogous

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



25.2830, 16.4222, 42.6684



28.2252, 16.4222, 22.1042



27.2225, 16.4222, 8.8342

Triad

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



28.2252, 16.4222, 22.1042



12.0051, 16.4222, 2.1132



10.1190, 16.4222, 52.9515

Complementary

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



28.2252, 16.4222, 22.1042



25.3754, 41.9425, 26.8397

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.



7.8812, 16.4222, 31.6347



28.2252, 16.4222, 22.1042



8.7834, 16.4222, 5.2276

Square

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



28.2252, 16.4222, 22.1042



17.0211, 16.4222, 1.6759



7.4556, 16.4222, 14.2332



14.2769, 16.4222, 66.0417

Rectangle

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



28.2252, 16.4222, 22.1042



24.5383, 16.4222, 4.4498



7.4556, 16.4222, 14.2332



9.1604, 16.4222, 46.0794

Sweetspot

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



28.2257, 16.4231, 22.1045



76.2935, 68.8681, 82.9758



20.0180, 11.4909, 53.3875



15.8825, 14.0107, 17.1026



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.



28.2257, 16.4231, 22.1045



47.4250, 24.9917, 30.6225



25.1796, 15.2046, 6.0638



10.2800, 10.1606, 11.5653



16.1092, 8.1334, 8.4871



0.7308, 0.3653, 0.5499

Inverse Universe

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



28.2257, 16.4231, 22.1045



47.4250, 24.9917, 30.6225



31.2499, 44.2923, 57.7746



10.2800, 10.1606, 11.5653



16.1092, 8.1334, 8.4871



0.7308, 0.3653, 0.5499

Previews

White Background



This preview shows how the XYZ color 28.2252, 16.4222, 22.1042 looks on a white background.

Color Contrast Check

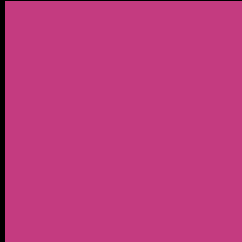
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2252, 16.4222, 22.1042 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 28.2252, 16.4222, 22.1042

Background



This preview shows how black text looks on a background with the XYZ color 28.2252, 16.4222, 22.1042.



This preview shows how white text looks on a background with the XYZ color 28.2252, 16.4222,

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

28.2252, 16.4222, 22.1042

Protanopia

17.4248, 16.8101, 37.4482

Deuteranopia

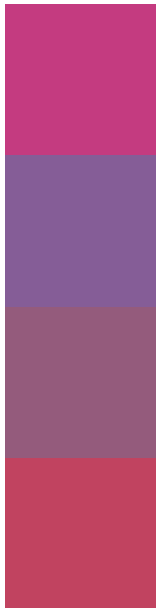
16.9123, 16.5973, 20.4014



Tritanopia

25.3951, 16.3770, 8.8438

Trichromacy



Original Color

28.2252, 16.4222, 22.1042

Protanomaly

19.1731, 15.0496, 31.1725

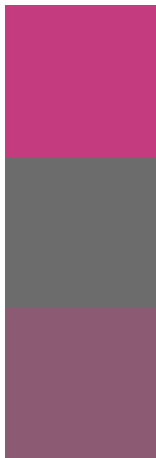
Deuteranomaly

19.5919, 15.2333, 20.9765

Tritanomaly

26.1108, 16.1963, 12.8163

Monochromacy



Original Color

28.2252, 16.4222, 22.1042

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.5659, 14.1256, 18.0203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2252, 16.4222, 22.1042 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(196, 59, 128)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 128)  
}
```

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(196, 59, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 128) }
```

Border

The CSS property to change the border of an element to XYZ 28.2252, 16.4222, 22.1042 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(196, 59, 128) }
```


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

```
.border{ border-color:rgb(196, 59, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 59, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 59, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 59, 128); box-shadow:4px 4px 4px 4px rgb(196, 59, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2252, 16.4222, 22.1042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 128) }
```

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

```
.background{ background-color: rgb(196, 59,  
128) }
```

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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