

Converting Colors

XYZ(27.7179, 14.6642, 24.5994)

Have a look what the booklet for
XYZ(27.7179, 14.6642, 24.5994)
contains.

XYZ(27.8099, 14.7154, 24.6672)	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(27.8099, 14.7154,
24.6672)**

Conversions

Conversions Part 1

Format	Color
Hex	C42388
RGB	196, 35, 136
RGB Percent	77%, 14%, 53%
CMY	0.2314, 0.8627, 0.4667
CMYK	0.00, 0.82, 0.31, 0.23
HSL	322°, 70%, 45%
HSV	322°, 82%, 77%
XYZ	27.8099, 14.7154, 24.6672
YIQ	94.6530, 63.5350, 65.5430

Conversions

Conversions Part 2

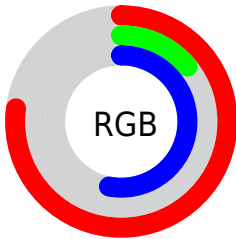
Format	Color
RYB	196, 35, 136
Decimal	12854152
CIELab	45.24, 67.96, -16.33
CIELCh	45, 69.899, 346.487
Yxy	14.7154, 0.4139, 0.2190
Android (android.graphics.Color)	4291044232 (0xFFC42388)
YUV	94.6530, 20.3841, 88.8813
Hunter-Lab	38.3607, 62.2740, -11.2730

Details

The XYZ color **27.8099, 14.7154, 24.6672** 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 **22.4997, 40.6639, 17.4926**, and the grayscale version is **10.7382, 11.2974, 12.3029**.

A 20% lighter version of the original color is **54.9825, 34.0485, 51.8182**, and **11.9962, 5.9903, 9.3281** is the 20% darker color. If you saturate the color by 10%, you get **26.8839, 13.6661, 21.8838**, and if you desaturate by 10%, it is **29.0939, 16.4240, 27.7448**.

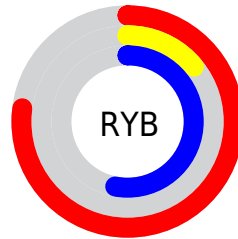
Distribution



Red (77%)

Green (14%)

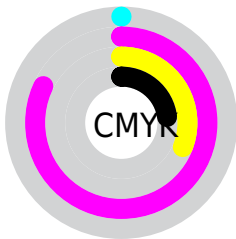
Blue (53%)



Red (77%)

Yellow (14%)

Blue (53%)

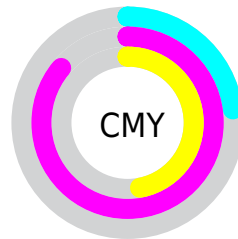


Cyan (0%)

Magenta (82%)

Yellow (31%)

Black (23%)



Cyan (23%)


Magenta (86%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8099, 14.7154, 24.6672 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 27.8099, 14.7154, 24.6672 by changing the saturation by 10% instead.


 27.8099, 14.7154,
24.6672

 27.8099, 14.7154,
24.6672


283.6540,
221.6371, 289.5709


 18.3221, 8.6199,
15.6125


 55.5916, 34.3531,
52.0742

 11.2826, 4.4941,
9.0990


 74.6162, 48.6641,
71.2636


 6.3259, 1.9536,
4.7081


 97.5504, 66.4824,
94.6684

 3.0868, 0.5803,
2.0213

 124.7597, 88.1924,
122.7070

 1.1998, 0.0000,
0.5683

 156.6093,
114.1785, 155.7980

 0.1062, 0.0000,
0.0000

 193.4647,

 0.0000, 0.0000,

144.8250, 194.3600

0.0000

235.6911,
180.5164, 238.8114

■ 27.8099, 14.7154,
24.6672

■ 27.8099, 14.7154,
24.6672

■ 26.8839, 13.6661,
21.8838

■ 29.0939, 16.4240,
27.7448

■ 26.3371, 13.1646,
19.8757

■ 30.7823, 18.8836,
31.1350

■ 32.9153, 22.1737,
34.8546

■ 35.5279, 26.3631,
38.9185

■ 38.6512, 31.5132,
43.3401

■ 42.3139, 37.6802,
48.1320

■ 46.5422, 44.9157,
53.3059

■ 51.3607, 53.2679,
58.8729

■ 56.7925, 62.7821,
64.8435

Harmonies

Analogous

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



23.6907, 14.7154, 49.4345



27.8099, 14.7154, 24.6672



27.5745, 14.7154, 8.5823

Triad

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



27.8099, 14.7154, 24.6672



11.0643, 14.7154, 0.7675



7.6466, 14.7154, 51.9512

Complementary

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



27.8099, 14.7154, 24.6672



22.4997, 40.6639, 17.4926

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.



5.8088, 14.7154, 26.8561



27.8099, 14.7154, 24.6672



7.3771, 14.7154, 2.5824

Square

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



27.8099, 14.7154, 24.6672



16.7467, 14.7154, 0.7019



5.7261, 14.7154, 9.6781



11.5477, 14.7154, 71.1496

Rectangle

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



27.8099, 14.7154, 24.6672



24.9562, 14.7154, 3.5720



5.7261, 14.7154, 9.6781



6.8204, 14.7154, 43.3702

Sweetspot

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



27.8104, 14.7162, 24.6675



74.3832, 64.4139, 84.2922



15.1856, 7.5703, 52.8854



15.4147, 12.9347, 17.3792



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.



27.8104, 14.7162, 24.6675



47.6930, 23.8855, 35.7743



24.0920, 13.2288, 5.0866



10.3329, 10.1818, 11.8437



16.9655, 8.4760, 12.9963



0.7655, 0.3792, 0.7324

Inverse Universe

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



27.8104, 14.7162, 24.6675



47.6930, 23.8855, 35.7743



28.1258, 42.9144, 47.1194



10.3329, 10.1818, 11.8437



16.9655, 8.4760, 12.9963



0.7655, 0.3792, 0.7324

Previews

White Background



This preview shows how the XYZ color 27.8099, 14.7154, 24.6672 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 27.8099, 14.7154, 24.6672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

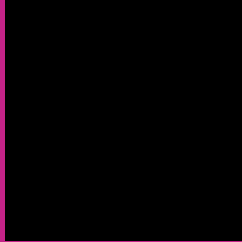
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8099, 14.7154, 24.6672

Background



This preview shows how black text looks on a background with the XYZ color 27.8099, 14.7154, 24.6672.



This preview shows how white text looks on a background with the XYZ color 27.8099, 14.7154,

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

27.8099, 14.7154, 24.6672

Protanopia

16.7646, 15.2697, 48.5181

Deuteranopia

15.3570, 15.1178, 22.5307



Tritanopia

24.0800, 14.7840, 6.4349

Trichromacy



Original Color

27.8099, 14.7154, 24.6672



Protanomaly

17.4078, 12.4160, 38.5248



Deuteranomaly

17.9499, 13.0387, 23.0434



Tritanomaly

25.0658, 14.5316, 11.1566

Monochromacy



Original Color

27.8099, 14.7154, 24.6672



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

14.7127, 10.7964, 16.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8099, 14.7154, 24.6672 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, 35, 136)` looks like.

```
.text, #text, p{  
    color:rgb(196, 35, 136)  
}
```

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, 35, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 35, 136) }
```

Border

The CSS property to change the border of an element to XYZ 27.8099, 14.7154, 24.6672 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, 35, 136) }
```


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

```
.border{ border-color:rgb(196, 35, 136) }
```

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

Here you see how a box with a 4 pixel rgb(196, 35, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 35, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 35, 136);  
box-shadow:4px 4px 4px 4px rgb(196, 35,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8099, 14.7154, 24.6672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 35, 136) }
```

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

```
.background{ background-color: rgb(196, 35,  
136) }
```

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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