

Converting Colors

XYZ(24.2945, 13.9969, 29.8550)

Have a look what the booklet for
XYZ(24.2945, 13.9969, 29.8550)
contains.

XYZ(24.2945, 13.9969, 29.8550)	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(24.2945, 13.9969,
29.8550)**

Conversions

Conversions Part 1

Format	Color
Hex	AE3895
RGB	174, 56, 149
RGB Percent	68%, 22%, 58%
CMY	0.3176, 0.7804, 0.4157
CMYK	0.00, 0.68, 0.14, 0.32
HSL	313°, 51%, 45%
HSV	313°, 68%, 68%
XYZ	24.2945, 13.9969, 29.8550
YIQ	101.8840, 40.4750, 53.9390

Conversions

Conversions Part 2

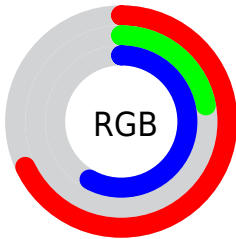
Format	Color
RYB	174, 56, 149
Decimal	11417749
CIELab	44.23, 57.71, -26.09
CIELCh	44, 63.335, 335.674
Yxy	13.9969, 0.3565, 0.2054
Android (android.graphics.Color)	4289607829 (0xFFAE3895)
YUV	101.8840, 23.2282, 63.2457
Hunter-Lab	37.4124, 50.4407, -21.1245

Details

The XYZ color **24.2945, 13.9969, 29.8550** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.2528, 31.7074, 12.9439**, and the grayscale version is **12.5337, 13.1864, 14.3600**.

A 20% lighter version of the original color is **49.8524, 33.0559, 60.2528**, and **9.6758, 4.7334, 11.9589** is the 20% darker color. If you saturate the color by 10%, you get **23.3034, 12.4780, 28.0954**, and if you desaturate by 10%, it is **25.5889, 16.1069, 31.7619**.

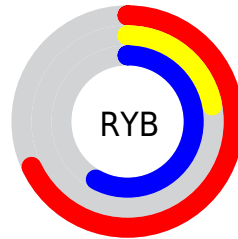
Distribution



Red (68%)

Green (22%)

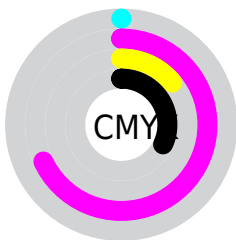
Blue (58%)



Red (68%)

Yellow (22%)

Blue (58%)

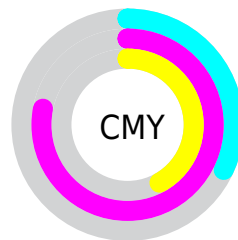


Cyan (0%)

Magenta (68%)

Yellow (14%)

Black (32%)



Cyan (32%)


Magenta (78%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2945, 13.9969, 29.8550 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 24.2945, 13.9969, 29.8550 by changing the saturation by 10% instead.


 24.2945, 13.9969,
29.8550


 24.2945, 13.9969,
29.8550


266.7189,
217.2115, 315.4142


 15.6781, 8.1185,
19.4774


 49.9615, 33.0835,
60.4911


 9.3861, 4.1709,
11.8355


 67.7429, 47.0606,
81.5867


 5.0530, 1.7696,
6.5106

 89.3101, 64.5059,
107.0921

 2.3135, 0.4681,
3.0842

 115.0282, 85.8040,
137.4257

 0.8015, 0.0000,
1.1378

 145.2629,
111.3392, 173.0062

 0.0000, 0.0000,
0.0000

180.3793,

141.4959, 214.2521

220.7429,
176.6586, 261.5819

■ 24.2945, 13.9969,
29.8550

■ 24.2945, 13.9969,
29.8550

■ 23.3034, 12.4780,
28.0954

■ 25.5889, 16.1069,
31.7619

■ 22.5822, 11.4845,
26.4712

■ 27.2126, 18.8608,
33.8249

■ 22.0801, 10.9146,
24.9652

■ 29.1904, 22.3075,
36.0527

■ 21.9807, 10.8087,
24.6452

■ 31.5442, 26.4911,
38.4530

■ 34.2943, 31.4516,
41.0330

■ 37.4592, 37.2263,
43.7992

■ 41.0564, 43.8500,
46.7580

■ 45.1026, 51.3557,
49.9152

■ 49.6131, 59.7743,
53.2763

Harmonies

Analogous

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



19.8280, 13.9969, 50.9705



24.2945, 13.9969, 29.8550



25.5354, 13.9969, 12.6463

Triad

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



24.2945, 13.9969, 29.8550



12.3641, 13.9969, 0.9251



6.8579, 13.9969, 37.9721

Complementary

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



24.2945, 13.9969, 29.8550



18.2528, 31.7074, 12.9439

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.



5.7764, 13.9969, 18.1666



24.2945, 13.9969, 29.8550



8.3950, 13.9969, 1.9574

Square

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



24.2945, 13.9969, 29.8550



17.7312, 13.9969, 1.3361



6.2575, 13.9969, 6.3976



9.6823, 13.9969, 57.3878

Rectangle

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



24.2945, 13.9969, 29.8550



24.1502, 13.9969, 6.0701



6.2575, 13.9969, 6.3976



6.3162, 13.9969, 30.7951

Sweetspot

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



24.2950, 13.9976, 29.8553



60.8685, 54.6258, 73.2087



12.3295, 7.5733, 40.8566



13.2184, 11.5807, 15.9826



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.2950, 13.9976, 29.8553



41.6083, 21.6902, 49.5713



20.7759, 12.5900, 11.3243



8.2633, 8.1186, 9.6973



15.9649, 7.8485, 17.9922



0.4621, 0.2255, 0.5952

Inverse Universe

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



24.2950, 13.9976, 29.8553



41.6083, 21.6902, 49.5713



21.3985, 32.9657, 29.5091



8.2633, 8.1186, 9.6973



15.9649, 7.8485, 17.9922



0.4621, 0.2255, 0.5952

Previews

White Background



This preview shows how the XYZ color 24.2945, 13.9969, 29.8550 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



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 24.2945, 13.9969, 29.8550

Background



This preview shows how black text looks on a background with the XYZ color 24.2945, 13.9969, 29.8550.



This preview shows how white text looks on a background with the XYZ color 24.2945, 13.9969,

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

24.2945, 13.9969, 29.8550

Protanopia

16.1073, 14.4552, 49.5181

Deuteranopia

14.5521, 14.2865, 27.5818



Tritanopia

20.0060, 13.9785, 9.4283

Trichromacy



Original Color

24.2945, 13.9969, 29.8550

Protanomaly

16.7935, 12.7148, 41.6135

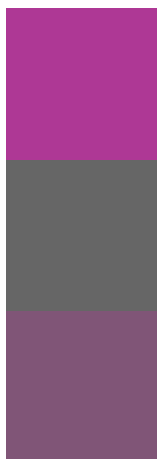
Deuteranomaly

16.8312, 13.1458, 28.4384

Tritanomaly

21.3072, 13.8429, 15.1846

Monochromacy



Original Color

24.2945, 13.9969, 29.8550

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.4804, 12.4181, 19.0338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2945, 13.9969, 29.8550 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(174, 56, 149)` looks like.

```
.text, #text, p{  
  color:rgb(174, 56, 149)  
}
```

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(174, 56, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 56, 149) }
```

Border

The CSS property to change the border of an element to XYZ 24.2945, 13.9969, 29.8550 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(174, 56, 149) }
```


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

```
.border{ border-color:rgb(174, 56, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 56, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 56, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 56, 149);  
box-shadow:4px 4px 4px 4px rgb(174, 56,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2945, 13.9969, 29.8550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 56, 149) }
```

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

```
.background{ background-color: rgb(174, 56,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor