

Converting Colors

XYZ(29.9206, 24.7197, 35.2994)

Have a look what the booklet for
XYZ(29.9206, 24.7197, 35.2994)
contains.

XYZ(29.8155, 24.6379, 35.0824)	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(29.8155, 24.6379,
35.0824)**

Conversions

Conversions Part 1

Format	Color
Hex	AC789D
RGB	172, 120, 157
RGB Percent	67%, 47%, 62%
CMY	0.3255, 0.5294, 0.3843
CMYK	0.00, 0.30, 0.09, 0.33
HSL	317°, 24%, 57%
HSV	317°, 30%, 67%
XYZ	29.8155, 24.6379, 35.0824
YIQ	139.7660, 19.1150, 22.5310

Conversions

Conversions Part 2

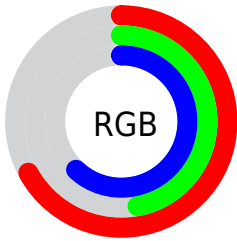
Format	Color
R_{YB}	172, 120, 157
Decimal	11303069
CIE _{Lab}	56.72, 26.28, -11.73
CIE _{LCh}	57, 28.780, 335.947
Yxy	24.6379, 0.3330, 0.2752
Android (android.graphics.Color)	4289493149 (0xFFAC789D)
YUV	139.7660, 8.4964, 28.2692
Hunter-Lab	49.6366, 20.3566, -7.1597

Details

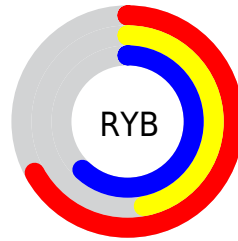
The XYZ color **29.8155, 24.6379, 35.0824** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.8724, 35.2481, 28.3104**, and the grayscale version is **24.8000, 26.0915, 28.4137**.

A 20% lighter version of the original color is **58.8221, 51.1346, 69.0571**, and **12.4625, 9.4690, 14.8065** is the 20% darker color. If you saturate the color by 10%, you get **27.5149, 20.7006, 32.2678**, and if you desaturate by 10%, it is **32.5064, 29.3275, 38.1125**.

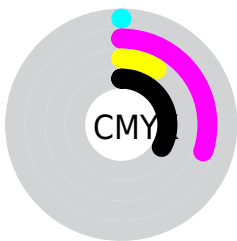
Distribution



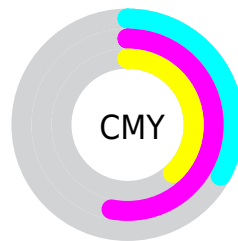
- Red (67%)
- Green (47%)
- Blue (62%)



- Red (67%)
- Yellow (47%)
- Blue (62%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8155, 24.6379, 35.0824 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 29.8155, 24.6379, 35.0824 by changing the saturation by 10% instead.


 29.8155, 24.6379,
35.0824


 29.8155, 24.6379,
35.0824


292.9688,
276.0298, 339.8472

 19.8460, 15.8075,
23.4423


 58.7589, 51.0692,
68.7664

 12.3907, 9.3880,
14.7121


 78.4635, 69.4388,
91.6474

 7.0845, 4.9951,
8.4732


 102.1438, 91.7570,
119.1124

 3.5618, 2.2444,
4.3071

130.1652,
118.4081, 151.5801

 1.4573, 0.7440,
1.7953

162.8931,
149.7766, 189.4688

 0.2965, 0.0000,
0.4248

200.6927,

 0.0000, 0.0000,

186.2468, 233.1972

0.0000

243.9295,
228.2030, 283.1838

■ 29.8155, 24.6379,
35.0824

■ 29.8155, 24.6379,
35.0824

■ 27.5149, 20.7006,
32.2678

■ 32.5064, 29.3275,
38.1125

■ 25.5822, 17.4722,
29.6596

■ 35.6039, 34.8028,
41.3637

■ 23.9962, 14.9105,
27.2498

■ 39.1262, 41.0996,
44.8434

■ 22.7325, 12.9668,
25.0292

■ 43.0897, 48.2501,
48.5578

■ 21.7635, 11.5862,
22.9878

■ 47.5097, 56.2850,
52.5132

■ 21.0566, 10.7039,
21.1134

■ 52.4010, 65.2335,
56.7154

■ 20.5500, 10.1854,
19.4195

■ 57.7777, 75.1234,
61.1698

■ 62.8166, 84.3080,
65.6031

■ 63.3936, 84.5388,
68.6413

Harmonies

Analogous

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



27.4119, 24.6379, 44.7331



29.8155, 24.6379, 35.0824



30.4370, 24.6379, 24.9578

Triad

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



29.8155, 24.6379, 35.0824



22.7556, 24.6379, 12.3282



18.5741, 24.6379, 39.1978

Complementary

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



29.8155, 24.6379, 35.0824



26.8724, 35.2481, 28.3104

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.



17.5700, 24.6379, 28.7862



29.8155, 24.6379, 35.0824



19.8314, 24.6379, 14.4781

Square

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



29.8155, 24.6379, 35.0824



26.1463, 24.6379, 13.2461



18.0074, 24.6379, 19.9795



20.8857, 24.6379, 47.4787

Rectangle

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



29.8155, 24.6379, 35.0824



29.7098, 24.6379, 19.5284



18.0074, 24.6379, 19.9795



18.0831, 24.6379, 35.7481

Sweetspot

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



29.8162, 24.6390, 35.0829



65.2361, 64.2861, 75.6942



24.1127, 21.5416, 41.9171



13.9921, 13.6414, 16.2621



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.



29.8162, 24.6390, 35.0829



51.3336, 39.9632, 60.3253



27.8454, 23.8507, 24.7048



8.2371, 8.1081, 9.5593



15.3170, 7.5894, 14.5808



0.4482, 0.2200, 0.5221

Inverse Universe

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



29.8162, 24.6390, 35.0829



51.3336, 39.9632, 60.3253



28.9086, 36.0625, 39.0328



8.2371, 8.1081, 9.5593



15.3170, 7.5894, 14.5808



0.4482, 0.2200, 0.5221

Previews

White Background



This preview shows how the XYZ color 29.8155, 24.6379, 35.0824 looks on a white background.

Color Contrast Check

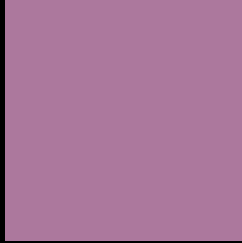
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8155, 24.6379, 35.0824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

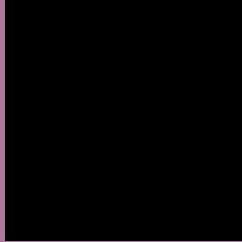
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8155, 24.6379, 35.0824

Background



This preview shows how black text looks on a background with the XYZ color 29.8155, 24.6379, 35.0824.



This preview shows how white text looks on a background with the XYZ color 29.8155, 24.6379,

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

29.8155, 24.6379, 35.0824

Protanopia

24.6923, 24.7851, 40.0418

Deuteranopia

25.2884, 24.8043, 34.4652



Tritanopia

27.8729, 24.5715, 25.8280

Trichromacy



Original Color

29.8155, 24.6379, 35.0824

Protanomaly

26.2705, 24.6293, 38.0197

Deuteranomaly

26.6688, 24.5140, 34.7786

Tritanomaly

28.5430, 24.6650, 28.8476

Monochromacy



Original Color

29.8155, 24.6379, 35.0824

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.5247, 25.5258, 30.7231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8155, 24.6379, 35.0824 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, 120, 157)` looks like.

```
.text, #text, p{  
    color:rgb(172, 120, 157)  
}
```

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, 120, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 120, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.8155, 24.6379, 35.0824 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, 120, 157) }
```


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

```
.border{ border-color:rgb(172, 120, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 120, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 120, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 120, 157); box-shadow:4px 4px 4px 4px rgb(172, 120, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8155, 24.6379, 35.0824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 120, 157) }
```

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

```
.background{ background-color: rgb(172,  
120, 157) }
```

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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