

Converting Colors

XYZ(32.5529, 29.1233, 41.6883)

Have a look what the booklet for
XYZ(32.5529, 29.1233, 41.6883)
contains.

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Color

**XYZ(32.7789, 29.3396,
41.9657)**

Conversions

Conversions Part 1

Format	Color
Hex	AA89AA
RGB	170, 137, 170
RGB Percent	67%, 54%, 67%
CMY	0.3333, 0.4627, 0.3333
CMYK	0.00, 0.19, 0.00, 0.33
HSL	300°, 16%, 60%
HSV	300°, 19%, 67%
XYZ	32.7789, 29.3396, 41.9657
YIQ	150.6290, 9.0750, 17.2590

Conversions

Conversions Part 2

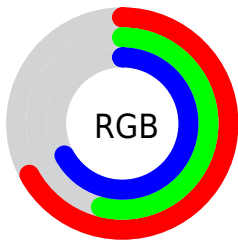
Format	Color
R_{YB}	170, 137, 170
Decimal	11176362
CIE _{Lab}	61.08, 18.39, -12.65
CIE _{LCh}	61, 22.324, 325.477
Yxy	29.3396, 0.3149, 0.2819
Android (android.graphics.Color)	4289366442 (0xFFAA89AA)
YUV	150.6290, 9.5499, 16.9884
Hunter-Lab	54.1660, 13.2298, -8.0193

Details

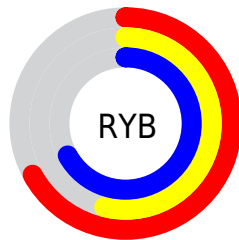
The XYZ color **32.7789, 29.3396, 41.9657** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.2077, 35.8748, 29.0535**, and the grayscale version is **29.2155, 30.7370, 33.4726**.

A 20% lighter version of the original color is **63.5854, 58.8666, 79.2452**, and **14.0143, 11.9063, 18.6991** is the 20% darker color. If you saturate the color by 10%, you get **30.5505, 24.8823, 41.2232**, and if you desaturate by 10%, it is **35.3898, 34.5610, 42.8364**.

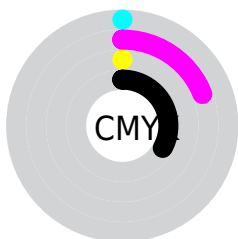
Distribution



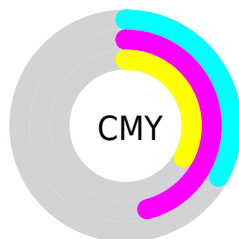
- Red (67%)
- Green (54%)
- Blue (67%)



- Red (67%)
- Yellow (54%)
- Blue (67%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7789, 29.3396, 41.9657 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 32.7789, 29.3396, 41.9657 by changing the saturation by 10% instead.


 32.7789, 29.3396,
41.9657


 32.7789, 29.3396,
41.9657


306.3349,
298.8139, 370.1362

 22.1155, 19.3379,
28.7491


 63.3872, 58.6162,
79.4172

 14.0589, 11.9147,
18.6471


 84.0628, 78.6599,
104.4892

 8.2436, 6.6856,
11.2414

 108.8066,
102.8197, 134.3501

 4.3043, 3.2663,
6.1132

137.9838,
131.4799, 169.4183

 1.8757, 1.2723,
2.8441

171.9599,
165.0251, 210.1125

 0.5627, 0.1196,
1.0156

211.1003,

 0.0000, 0.0000,

203.8396, 256.8512

0.0000

255.7701,
248.3077, 310.0529

■ 32.7789, 29.3396,
41.9657

■ 32.7789, 29.3396,
41.9657

■ 30.5505, 24.8823,
41.2232

■ 35.3898, 34.5610,
42.8364

■ 28.6842, 21.1497,
40.6010

■ 38.3973, 40.5758,
43.8389

■ 27.1616, 18.1046,
40.0934

■ 41.8177, 47.4167,
44.9791

■ 25.9619, 15.7051,
39.6935

■ 45.6660, 55.1132,
46.2619

■ 25.0617, 13.9047,
39.3933

■ 49.9561, 63.6934,
47.6920

■ 24.4346, 12.6507,
39.1843

■ 54.7015, 73.1841,
49.2739

■ 24.0499, 11.8812,
39.0560

■ 59.5937, 82.9685,
50.9047

■ 23.8444, 11.4702,
38.9874

■ 59.5937, 82.9685,
50.9047

■ 23.8335, 11.4485,
38.9838

■ 59.5937, 82.9685,
50.9048

Harmonies

Analogous

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



30.3750, 29.3396, 48.7945



32.7789, 29.3396, 41.9657



33.8739, 29.3396, 33.2322

Triad

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



32.7789, 29.3396, 41.9657



28.3320, 29.3396, 18.4346



23.1134, 29.3396, 39.3833

Complementary

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



32.7789, 29.3396, 41.9657



29.2077, 35.8748, 29.0535

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.



22.6496, 29.3396, 30.6931



32.7789, 29.3396, 41.9657



25.5376, 29.3396, 19.5050

Square

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



32.7789, 29.3396, 41.9657



31.1950, 29.3396, 20.4330



23.5067, 29.3396, 23.6631



24.8204, 29.3396, 47.1301

Rectangle

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



32.7789, 29.3396, 41.9657



33.6622, 29.3396, 27.8394



23.5067, 29.3396, 23.6631



22.8122, 29.3396, 36.4374

Sweetspot

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



32.7798, 29.3409, 41.9663



65.9305, 66.1468, 78.2945



26.5191, 26.1134, 41.6735



14.6286, 14.6026, 17.4352



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.



32.7798, 29.3409, 41.9663



57.7727, 49.8313, 75.5751



31.3154, 28.7551, 34.2548



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Inverse Universe

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



32.7798, 29.3409, 41.9663



57.7727, 49.8313, 75.5751



30.4834, 36.3851, 35.7714



7.8419, 7.6666, 9.4848



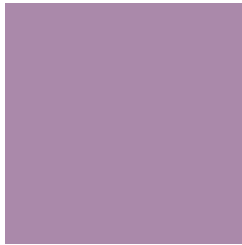
17.5320, 8.4215, 28.6765



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 32.7789, 29.3396, 41.9657 looks on a white background.

Color Contrast Check

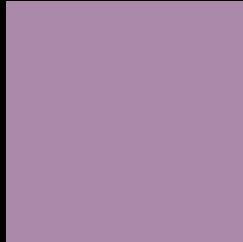
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7789, 29.3396, 41.9657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

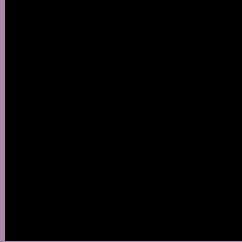
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7789, 29.3396, 41.9657

Background



This preview shows how black text looks on a background with the XYZ color 32.7789, 29.3396, 41.9657.



This preview shows how white text looks on a background with the XYZ color 32.7789, 29.3396,

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

32.7789, 29.3396, 41.9657

Protanopia

29.0999, 29.3551, 45.2067

Deuteranopia

30.0836, 29.4865, 41.6420



Tritanopia

30.9003, 29.2060, 33.2869

Trichromacy



Original Color

32.7789, 29.3396, 41.9657

Protanomaly

30.4113, 29.3763, 44.1117

Deuteranomaly

30.9844, 29.2853, 41.5557

Tritanomaly

31.5526, 29.2587, 36.3322

Monochromacy



Original Color

32.7789, 29.3396, 41.9657

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.5510, 30.2955, 36.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7789, 29.3396, 41.9657 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(170, 137, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 170)  
}
```

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(170, 137, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.7789, 29.3396, 41.9657 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(170, 137, 170) }
```


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

```
.border{ border-color:rgb(170, 137, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7789, 29.3396, 41.9657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 170) }
```

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

```
.background{ background-color: rgb(170,  
137, 170) }
```

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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