

Converting Colors

XYZ(32.7775, 17.3515, 31.5216)

Have a look what the booklet for
XYZ(32.7775, 17.3515, 31.5216)
contains.

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Color

**XYZ(32.7208, 17.3399,
31.3281)**

Conversions

Conversions Part 1

Format	Color
Hex	D12898
RGB	209, 40, 152
RGB Percent	82%, 16%, 60%
CMY	0.1804, 0.8431, 0.4039
CMYK	0.00, 0.81, 0.27, 0.18
HSL	320°, 68%, 49%
HSV	320°, 81%, 82%
XYZ	32.7208, 17.3399, 31.3281
YIQ	103.2990, 64.7720, 70.6600

Conversions

Conversions Part 2

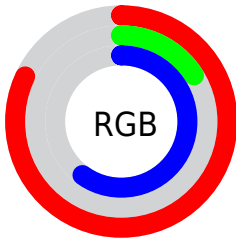
Format	Color
RYB	209, 40, 152
Decimal	13707416
CIELab	48.69, 71.61, -20.51
CIELCh	49, 74.490, 344.019
Yxy	17.3399, 0.4020, 0.2131
Android (android.graphics.Color)	4291897496 (0xFFD12898)
YUV	103.2990, 24.0096, 92.6998
Hunter-Lab	41.6412, 67.3895, -15.4570

Details

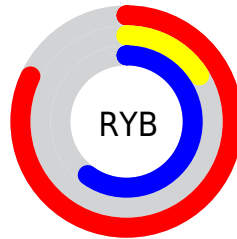
The XYZ color **32.7208, 17.3399, 31.3281** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **25.8344, 46.9158, 19.0065**, and the grayscale version is **12.8993, 13.5711, 14.7789**.

A 20% lighter version of the original color is **57.4322, 35.8194, 62.2793**, and **14.9266, 7.4236, 12.9581** is the 20% darker color. If you saturate the color by 10%, you get **31.6364, 16.0677, 28.2021**, and if you desaturate by 10%, it is **34.2210, 19.3885, 34.7623**.

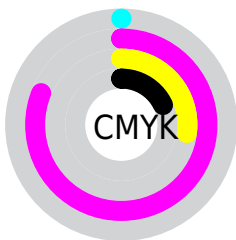
Distribution



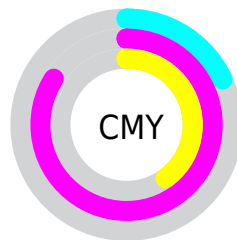
- Red (82%)
- Green (16%)
- Blue (60%)



- Red (82%)
- Yellow (16%)
- Blue (60%)



- Cyan (0%)
- Magenta (81%)
- Yellow (27%)
- Black (18%)





- Cyan (18%)
- Magenta (84%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7208, 17.3399, 31.3281 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 32.7208, 17.3399, 31.3281 by changing the saturation by 10% instead.


 32.7208, 17.3399,
31.3281


 32.7208, 17.3399,
31.3281


306.0770,
237.1236, 322.4449

 22.0709, 10.4771,
20.5883


 63.2970, 38.9093,
62.8419


 14.0259, 5.7164,
12.6351


 83.9539, 54.3846,
84.4529


 8.2205, 2.6734,
7.0500


 108.6773, 73.4997,
110.5247

 4.2893, 0.9637,
3.4145

 137.8323, 96.6388,
141.4759

 1.8671, 0.0000,
1.3100

 171.7845,
124.1863, 177.7250

 0.5576, 0.0000,
0.0699

210.8991,

 0.0000, 0.0000,

156.5267, 219.6905

0.0000

255.5415,
194.0443, 267.7909

■ 32.7208, 17.3399,
31.3281

■ 32.7208, 17.3399,
31.3281

■ 31.6364, 16.0677,
28.2021

■ 34.2210, 19.3885,
34.7623

■ 30.9186, 15.4050,
25.5803

■ 36.1899, 22.3186,
38.5248

■ 38.6736, 26.2218,
42.6339

■ 41.7124, 31.1773,
47.1057

■ 45.3420, 37.2562,
51.9547

■ 49.5955, 44.5234,
57.1946

■ 54.5032, 53.0387,
62.8380

■ 60.0933, 62.8580,
68.8968

■ 66.3925, 74.0338,
75.3824

Harmonies

Analogous

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



27.4699, 17.3399, 61.2425



32.7208, 17.3399, 31.3281



32.9060, 17.3399, 11.1186

Triad

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



32.7208, 17.3399, 31.3281



13.4837, 17.3399, 0.8159



8.6902, 17.3399, 59.2579

Complementary

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



32.7208, 17.3399, 31.3281



25.8344, 46.9158, 19.0065

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.



6.7000, 17.3399, 29.6075



32.7208, 17.3399, 31.3281



8.9005, 17.3399, 2.6502

Square

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



32.7208, 17.3399, 31.3281



20.3918, 17.3399, 0.8620



6.7645, 17.3399, 10.2627



13.1053, 17.3399, 83.5995

Rectangle

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



32.7208, 17.3399, 31.3281



30.0331, 17.3399, 4.6388



6.7645, 17.3399, 10.2627



7.7779, 17.3399, 48.9396

Sweetspot

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



32.7213, 17.3408, 31.3284



75.3899, 65.7157, 86.8220



17.1278, 8.6273, 61.0843



15.6238, 13.1902, 17.9507



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.



32.7213, 17.3408, 31.3284



48.7280, 24.3881, 40.9517



28.1026, 15.4933, 7.0066



12.1342, 11.9384, 13.9828



19.1110, 9.5172, 16.0227



1.1048, 0.5466, 1.0865

Inverse Universe

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



32.7213, 17.3408, 31.3284



48.7280, 24.3881, 40.9517



31.9998, 49.3819, 51.4729



12.1342, 11.9384, 13.9828



19.1110, 9.5172, 16.0227



1.1048, 0.5466, 1.0865

Previews

White Background



This preview shows how the XYZ color 32.7208, 17.3399, 31.3281 looks on a white background.

Color Contrast Check

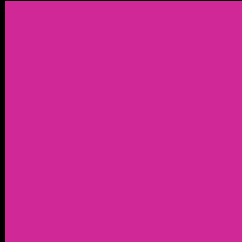
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7208, 17.3399, 31.3281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

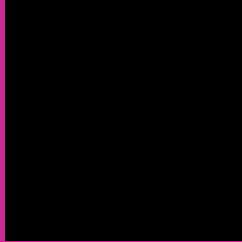
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7208, 17.3399, 31.3281

Background



This preview shows how black text looks on a background with the XYZ color 32.7208, 17.3399, 31.3281.



This preview shows how white text looks on a background with the XYZ color 32.7208, 17.3399,

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

32.7208, 17.3399, 31.3281

Protanopia

19.9055, 17.9073, 60.7998

Deuteranopia

17.9147, 17.5952, 28.4386



Tritanopia

27.9264, 17.4206, 8.0215

Trichromacy



Original Color

32.7208, 17.3399, 31.3281



Protanomaly

20.2972, 14.4991, 48.1832



Deuteranomaly

20.9909, 15.2813, 29.0374



Tritanomaly

29.0389, 16.9448, 14.0521

Monochromacy



Original Color

32.7208, 17.3399, 31.3281



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.4752, 12.8686, 19.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7208, 17.3399, 31.3281 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(209, 40, 152)` looks like.

```
.text, #text, p{  
    color:rgb(209, 40, 152)  
}
```

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(209, 40, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 40, 152) }
```

Border

The CSS property to change the border of an element to XYZ 32.7208, 17.3399, 31.3281 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(209, 40, 152) }
```


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

```
.border{ border-color:rgb(209, 40, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 40, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 40, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 40, 152);  
box-shadow:4px 4px 4px 4px rgb(209, 40,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7208, 17.3399, 31.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 40, 152) }
```

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

```
.background{ background-color: rgb(209, 40,  
152) }
```

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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