

Converting Colors

XYZ(31.2992, 15.5292, 28.8497)

Have a look what the booklet for
XYZ(31.2992, 15.5292, 28.8497)
contains.

XYZ(31.2789, 15.5165, 28.9502)	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(31.2789, 15.5165,
28.9502)**

Conversions

Conversions Part 1

Format	Color
Hex	D00093
RGB	208, 0, 147
RGB Percent	82%, 0%, 58%
CMY	0.1843, 0.9999, 0.4235
CMYK	0.00, 1.00, 0.29, 0.18
HSL	318°, 100%, 41%
HSV	318°, 100%, 82%
XYZ	31.2789, 15.5165, 28.9502
YIQ	78.9500, 76.7810, 89.8130

Conversions

Conversions Part 2

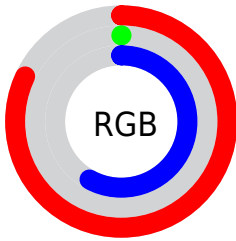
Format	Color
R_{YB}	208, 0, 147
Decimal	13631635
CIE _{Lab}	46.33, 76.52, -21.13
CIE _{LCh}	46, 79.388, 344.561
Yxy	15.5165, 0.4129, 0.2049
Android (android.graphics.Color)	4291821715 (0xFFD00093)
YUV	78.9500, 33.5486, 113.1769
Hunter-Lab	39.3910, 72.8059, -16.0012

Details

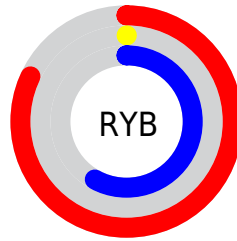
The XYZ color **31.2789, 15.5165, 28.9502** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.3997, 45.4494, 11.9596**, and the grayscale version is **7.3538, 7.7368, 8.4254**.

A 20% lighter version of the original color is **55.5237, 32.9592, 58.6937**, and **14.3241, 7.1404, 11.6896** is the 20% darker color. If you saturate the color by 10%, you get **31.2781, 15.5162, 28.9457**, and if you desaturate by 10%, it is **32.0358, 16.2436, 31.6278**.

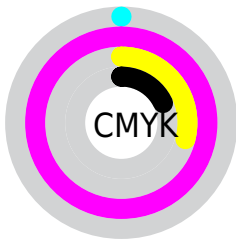
Distribution



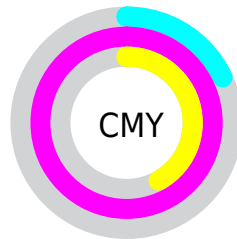
- Red (82%)
- Green (0%)
- Blue (58%)



- Red (82%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2789, 15.5165, 28.9502 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 31.2789, 15.5165, 28.9502 by changing the saturation by 10% instead.


 31.2789, 15.5165,
28.9502


 31.2789, 15.5165,
28.9502


299.6251,
226.4715, 311.0335


 20.9642, 9.1827,
18.7979


 61.0518, 35.7568,
59.0392

 13.2101, 4.8605,
11.3490


 81.2406, 50.4320,
79.8130


 7.6514, 2.1657,
6.1850


 105.4516, 68.6565,
104.9643

 3.9226, 0.7012,
2.8873

 134.0500, 90.8146,
134.9118

 1.6585, 0.0000,
1.0374

 167.4012,
117.2908, 170.0739

 0.4301, 0.0000,
0.0000

 205.8705,

 0.0000, 0.0000,

148.4694, 210.8692

0.0000

249.8234,
184.7348, 257.7162

■ 31.2789, 15.5165,
28.9502

■ 31.2789, 15.5165,
28.9502

■ 31.2781, 15.5162,
28.9457

■ 32.0358, 16.2436,
31.6278

■ 33.1033, 17.5506,
34.5360

■ 34.5783, 19.6307,
37.7090

■ 36.5133, 22.5887,
41.1663

■ 38.9530, 26.5128,
44.9243

■ 41.9362, 31.4805,
48.9978

■ 45.4981, 37.5613,
53.4001

■ 49.6706, 44.8188,
58.1437

■ 54.4835, 53.3118,
63.2401

Harmonies

Analogous

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



25.9541, 15.5165, 60.0742



31.2789, 15.5165, 28.9502



31.3646, 15.5165, 9.1219

Triad

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



31.2789, 15.5165, 28.9502



11.6994, 15.5165, 0.2131



7.2568, 15.5165, 59.1342

Complementary

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



31.2789, 15.5165, 28.9502



23.3997, 45.4494, 11.9596

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.



5.3685, 15.5165, 28.1640



31.2789, 15.5165, 28.9502



7.3454, 15.5165, 1.7956

Square

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



31.2789, 15.5165, 28.9502



18.5091, 15.5165, 0.2351



5.3950, 15.5165, 8.7594



11.5344, 15.5165, 84.7791

Rectangle

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



31.2789, 15.5165, 28.9502



28.3460, 15.5165, 3.3127



5.3950, 15.5165, 8.7594



6.3893, 15.5165, 48.2773

Sweetspot

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



31.2794, 15.5174, 28.9505



71.9054, 59.1583, 84.3912



13.1869, 5.4835, 60.0381



14.8536, 11.7407, 17.4138



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.



31.2794, 15.5174, 28.9505



49.4989, 24.5636, 45.4208



26.4884, 13.6010, 3.7215



12.1569, 11.9475, 14.1018



19.5382, 9.6881, 18.2722



1.1262, 0.5552, 1.1994

Inverse Universe

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



31.2794, 15.5174, 28.9505



49.4989, 24.5636, 45.4208



29.1621, 47.7544, 42.3035



12.1569, 11.9475, 14.1018



19.5382, 9.6881, 18.2722



1.1262, 0.5552, 1.1994

Previews

White Background



This preview shows how the XYZ color 31.2789, 15.5165, 28.9502 looks on a white background.

Color Contrast Check

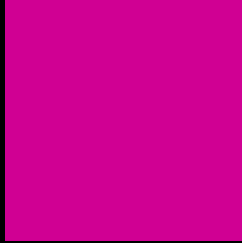
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2789, 15.5165, 28.9502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

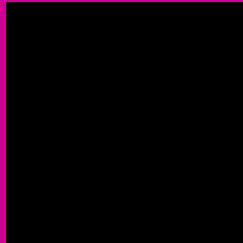
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2789, 15.5165, 28.9502

Background



This preview shows how black text looks on a background with the XYZ color 31.2789, 15.5165, 28.9502.



This preview shows how white text looks on a background with the XYZ color 31.2789, 15.5165,

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

31.2789, 15.5165, 28.9502

Protanopia

18.8464, 16.4900, 63.1623

Deuteranopia

16.4144, 16.0584, 25.9014



Tritanopia

26.7125, 15.9196, 6.0798

Trichromacy



Original Color

31.2789, 15.5165, 28.9502



Protanomaly

17.9078, 11.3548, 48.2616



Deuteranomaly

18.7899, 12.2903, 26.5812



Tritanomaly

27.4952, 14.9332, 11.5585

Monochromacy



Original Color

31.2789, 15.5165, 28.9502



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2435, 7.7163, 13.9408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2789, 15.5165, 28.9502 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(208, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(208, 0, 147)  
}
```

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(208, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.2789, 15.5165, 28.9502 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(208, 0, 147) }
```


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

```
.border{ border-color:rgb(208, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(208, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(208, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2789, 15.5165, 28.9502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 0, 147) }
```

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

```
.background{ background-color: rgb(208, 0,  
147) }
```

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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