

Converting Colors

XYZ(31.3705, 15.5890, 27.8126)

Have a look what the booklet for
XYZ(31.3705, 15.5890, 27.8126)
contains.

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Color

**XYZ(31.3285, 15.5689,
27.7395)**

Conversions

Conversions Part 1

Format	Color
Hex	D10090
RGB	209, 0, 144
RGB Percent	82%, 0%, 56%
CMY	0.1804, 0.9999, 0.4353
CMYK	0.00, 1.00, 0.31, 0.18
HSL	319°, 100%, 41%
HSV	319°, 100%, 82%
XYZ	31.3285, 15.5689, 27.7395
YIQ	78.9070, 78.3400, 89.0920

Conversions

Conversions Part 2

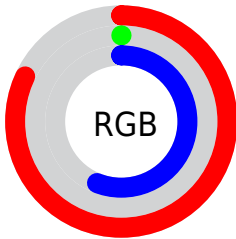
Format	Color
R_{YB}	209, 0, 144
Decimal	13697168
CIE _{Lab}	46.40, 76.40, -19.19
CIE _{LCh}	46, 78.778, 345.898
Yxy	15.5689, 0.4197, 0.2086
Android (android.graphics.Color)	4291887248 (0xFFD10090)
YUV	78.9070, 32.0908, 114.0916
Hunter-Lab	39.4574, 72.6753, -14.0620

Details

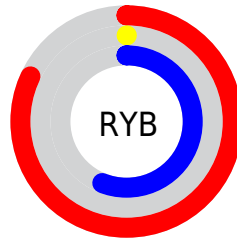
The XYZ color **31.3285, 15.5689, 27.7395** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.7562, 45.9833, 12.6303**, and the grayscale version is **7.3481, 7.7308, 8.4188**.

A 20% lighter version of the original color is **55.1741, 32.8194, 56.8529**, and **14.3702, 7.1799, 10.9844** is the 20% darker color. If you saturate the color by 10%, you get **31.3277, 15.5686, 27.7349**, and if you desaturate by 10%, it is **32.1070, 16.3076, 30.5218**.

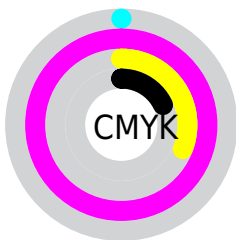
Distribution



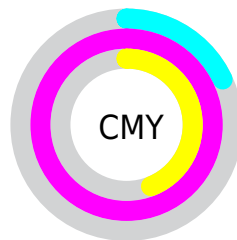
- Red (82%)
- Green (0%)
- Blue (56%)



- Red (82%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3285, 15.5689, 27.7395 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 31.3285, 15.5689, 27.7395 by changing the saturation by 10% instead.


 31.3285, 15.5689,
27.7395


 31.3285, 15.5689,
27.7395


299.8488,
226.7843, 305.0927


 21.0022, 9.2196,
17.8921


 61.1292, 35.8482,
57.0864

 13.2381, 4.8847,
10.7039

 81.3343, 50.5469,
77.4228


 7.6708, 2.1798,
5.7564


 105.5631, 68.7976,
102.0928

 3.9351, 0.7089,
2.6312

 134.1808, 90.9847,
131.5147

 1.6655, 0.0000,
0.9085

 167.5529,
117.4925, 166.1071

 0.4345, 0.0000,
0.0000

 206.0447,

 0.0000, 0.0000,

148.7054, 206.2885

0.0000

250.0215,
185.0079, 252.4776

■ 31.3285, 15.5689,
27.7395

■ 31.3285, 15.5689,
27.7395

■ 31.3277, 15.5686,
27.7349

■ 32.1070, 16.3076,
30.5218

■ 33.2028, 17.6342,
33.5532

■ 34.7136, 19.7438,
36.8688

■ 36.6930, 22.7424,
40.4884

■ 39.1858, 26.7192,
44.4293

■ 42.2317, 31.7529,
48.7068

■ 45.8662, 37.9136,
53.3346

■ 50.1217, 45.2659,
58.3257

■ 55.0284, 53.8692,
63.6921

Harmonies

Analogous

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



26.2354, 15.5689, 58.3135



31.3285, 15.5689, 27.7395



31.1550, 15.5689, 8.6612

Triad

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



31.3285, 15.5689, 27.7395



11.5145, 15.5689, 0.2965



7.4683, 15.5689, 60.2135

Complementary

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



31.3285, 15.5689, 27.7395



23.7562, 45.9833, 12.6303

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.



5.4848, 15.5689, 29.3338



31.3285, 15.5689, 27.7395



7.2872, 15.5689, 1.9997

Square

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



31.3285, 15.5689, 27.7395



18.1972, 15.5689, 0.2519



5.4306, 15.5689, 9.4015



11.8505, 15.5689, 84.7807

Rectangle

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



31.3285, 15.5689, 27.7395



28.0263, 15.5689, 3.1508



5.4306, 15.5689, 9.4015



6.5667, 15.5689, 49.4989

Sweetspot

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



31.3290, 15.5698, 27.7398



71.7127, 59.0812, 83.3766



13.5415, 5.6521, 60.6989



14.8074, 11.7222, 17.1707



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.



31.3290, 15.5698, 27.7398



49.0448, 24.3819, 43.0297



26.7098, 13.7221, 3.4155



12.1477, 11.9438, 14.0537



19.3618, 9.6176, 17.3433



1.1174, 0.5517, 1.1530

Inverse Universe

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



31.3290, 15.5698, 27.7398



49.0448, 24.3819, 43.0297



29.7952, 48.3989, 44.4315



12.1477, 11.9438, 14.0537



19.3618, 9.6176, 17.3433



1.1174, 0.5517, 1.1530

Previews

White Background



This preview shows how the XYZ color 31.3285, 15.5689, 27.7395 looks on a white background.

Color Contrast Check

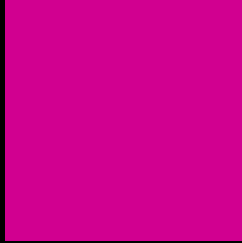
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3285, 15.5689, 27.7395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

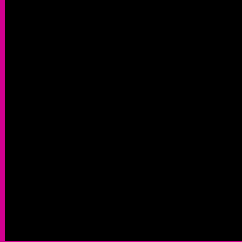
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3285, 15.5689, 27.7395

Background



This preview shows how black text looks on a background with the XYZ color 31.3285, 15.5689, 27.7395.



This preview shows how white text looks on a background with the XYZ color 31.3285, 15.5689,

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

31.3285, 15.5689, 27.7395

Protanopia

18.6024, 16.4350, 59.9494

Deuteranopia

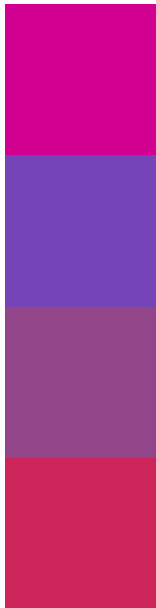
16.4538, 16.1033, 24.7953



Tritanopia

26.8811, 15.9385, 5.7973

Trichromacy



Original Color

31.3285, 15.5689, 27.7395

Protanomaly

18.0115, 11.4570, 46.0619

Deuteranomaly

18.7482, 12.2943, 25.4296

Tritanomaly

27.6532, 14.9791, 11.1066

Monochromacy



Original Color

31.3285, 15.5689, 27.7395

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.1930, 7.6961, 13.6748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3285, 15.5689, 27.7395 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, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 144)  
}
```

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, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.3285, 15.5689, 27.7395 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, 0, 144) }
```


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

```
.border{ border-color:rgb(209, 0, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3285, 15.5689, 27.7395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 144) }
```

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

```
.background{ background-color: rgb(209, 0,  
144) }
```

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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