

# Converting Colors

XYZ(27.0896, 12.6819, 28.6722)

Have a look what the booklet for  
XYZ(27.0896, 12.6819, 28.6722)  
contains.

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# Color

**XYZ(27.5146, 13.5759,  
28.7740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C20093
RGB	194, 0, 147
RGB Percent	76%, 0%, 58%
CMY	0.2392, 0.9999, 0.4235
CMYK	0.00, 1.00, 0.24, 0.24
HSL	315°, 100%, 38%
HSV	315°, 100%, 76%
XYZ	27.5146, 13.5759, 28.7740
YIQ	74.7640, 68.4370, 86.8450

# Conversions

## Conversions Part 2

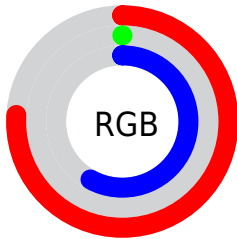
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 0, 147
Decimal	12714131
CIELab	43.62, 73.78, -25.55
CIElCh	44, 78.083, 340.897
Yxy	13.5759, 0.3938, 0.1943
Android (android.graphics.Color)	4290904211 (0xFFC20093)
YUV	74.7640, 35.6123, 104.5700
Hunter-Lab	36.8455, 68.8164, -20.5099

# Details

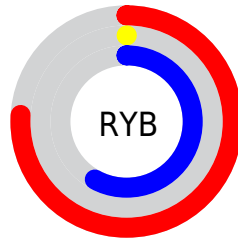
The XYZ color **27.5146, 13.5759, 28.7740** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **19.8059, 38.7894, 9.1357**, and the grayscale version is **6.5779, 6.9204, 7.5363**.

A 20% lighter version of the original color is **55.2723, 32.4565, 58.6099**, and **12.1030, 5.9954, 11.5857** is the 20% darker color. If you saturate the color by 10%, you get **27.5142, 13.5758, 28.7712**, and if you desaturate by 10%, it is **28.1315, 14.2070, 30.8371**.

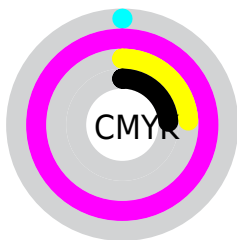
# Distribution



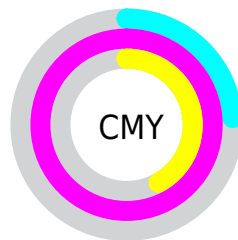
- Red (76%)
- Green (0%)
- Blue (58%)



- Red (76%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5146, 13.5759, 28.7740 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 27.5146, 13.5759, 28.7740 by changing the saturation by 10% instead.





 27.5146, 13.5759,  
28.7740


 27.5146, 13.5759,  
28.7740


282.2625,  
214.5763, 310.1746


 18.0987, 7.8263,  
18.6658


 55.1226, 32.3346,  
58.7557


 11.1210, 3.9840,  
11.2547


 74.0454, 46.1125,  
79.4663


 6.2161, 1.6646,  
6.1221


 96.8679, 63.3353,  
104.5482

 3.0189, 0.4006,  
2.8495

 123.9553, 84.3873,  
134.4198

 1.1637, 0.0000,  
1.0183

 155.6732,  
109.6531, 169.4997

 0.0775, 0.0000,  
0.0000

 192.3867,

 0.0000, 0.0000,

139.5169, 210.2064

0.0000

234.4614,  
174.3632, 256.9586

■ 27.5146, 13.5759,  
28.7740

■ 27.5146, 13.5759,  
28.7740

■ 27.5142, 13.5758,  
28.7712

■ 28.1315, 14.2070,  
30.8371

■ 29.0030, 15.3232,  
33.0602

■ 30.2150, 17.0955,  
35.4729

■ 31.8113, 19.6117,  
38.0906

■ 33.8292, 22.9457,  
40.9266

■ 36.3013, 27.1627,  
43.9926

■ 39.2571, 32.3213,  
47.2991

■ 42.7233, 38.4749,  
50.8559

■ 46.7250, 45.6730,  
54.6720

# Harmonies

## Analogous

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



22.2377, 13.5759, 57.6638



27.5146, 13.5759, 28.7740



28.2426, 13.5759, 9.2844

# Triad

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



27.5146, 13.5759, 28.7740



10.8052, 13.5759, 0.0000



5.8983, 13.5759, 49.6228

# Complementary

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



27.5146, 13.5759, 28.7740



19.8059, 38.7894, 9.1357

# 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.



4.4568, 13.5759, 22.1083



27.5146, 13.5759, 28.7740



6.6331, 13.5759, 1.1412

# Square

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



27.5146, 13.5759, 28.7740



17.1484, 13.5759, 0.0994



4.6747, 13.5759, 6.2710



9.4242, 13.5759, 74.9281



# Rectangle

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



27.5146, 13.5759, 28.7740



25.8569, 13.5759, 3.3541



4.6747, 13.5759, 6.2710



5.2133, 13.5759, 39.7041

# Sweetspot

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



27.5151, 13.5766, 28.7742



70.8395, 58.0576, 85.3891



10.8329, 4.4602, 51.3291



14.9887, 11.7947, 18.1252



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.



27.5151, 13.5766, 28.7742



49.7429, 24.5535, 51.5695



22.8629, 11.7158, 4.2763



10.3896, 10.2044, 12.1421



18.1233, 8.9391, 19.0929



0.8088, 0.3965, 0.9603



# Inverse Universe

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



27.5151, 13.5766, 28.7742



49.7429, 24.5535, 51.5695



24.1954, 40.5452, 32.2503



10.3896, 10.2044, 12.1421



18.1233, 8.9391, 19.0929



0.8088, 0.3965, 0.9603



# Previews

## White Background



This preview shows how the XYZ color 27.5146, 13.5759, 28.7740 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 27.5146, 13.5759, 28.7740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

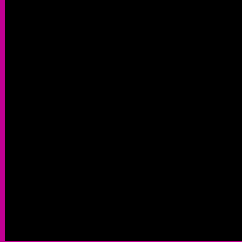
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 27.5146, 13.5759, 28.7740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5146, 13.5759, 28.7740.



This preview shows how white text looks on a background with the XYZ color 27.5146, 13.5759,



# 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

27.5146, 13.5759, 28.7740

### Protanopia

17.0229, 14.4995, 62.2231

### Deuteranopia

14.5748, 14.3323, 26.0430



## Tritanopia

22.8489, 13.9278, 5.8989

# Trichromacy



## Original Color

27.5146, 13.5759, 28.7740



## Protanomaly

15.3693, 9.7054, 47.5177



## Deuteranomaly

16.4288, 10.8061, 26.4192



## Tritanomaly

23.8285, 13.0430, 11.3869

# Monochromacy



## Original Color

27.5146, 13.5759, 28.7740



## Achromatopsia

6.6877, 7.0360, 7.6622



## Achromatomaly

10.8771, 6.9050, 13.0714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5146, 13.5759, 28.7740 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(194, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5146, 13.5759, 28.7740 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(194, 0, 147) }
```



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

```
.border{ border-color:rgb(194, 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(194, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.5146, 13.5759, 28.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 147) }
```

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

```
.background{ background-color: rgb(194, 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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