

# Converting Colors

XYZ(29.9431, 26.9005, 39.2115)

Have a look what the booklet for  
XYZ(29.9431, 26.9005, 39.2115)  
contains.

<b>XYZ(29.9431, 26.9005, 39.2115)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(29.9431, 26.9005,  
39.2115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A284A5
RGB	162, 132, 165
RGB Percent	64%, 52%, 65%
CMY	0.3647, 0.4823, 0.3529
CMYK	0.02, 0.20, 0.00, 0.35
HSL	295°, 15%, 58%
HSV	295°, 20%, 65%
XYZ	29.9431, 26.9005, 39.2115
YIQ	144.7320, 7.2870, 16.6230

# Conversions

## Conversions Part 2

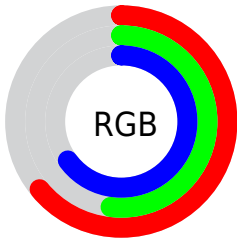
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 132, 165
Decimal	10650789
CIE <sub>Lab</sub>	58.88, 17.45, -13.19
CIE <sub>LCh</sub>	59, 21.871, 322.924
Yxy	26.9005, 0.3117, 0.2801
Android (android.graphics.Color)	4288840869 (0xFFA284A5)
YUV	144.7320, 9.9921, 15.1440
Hunter-Lab	51.8657, 12.2867, -8.5184

# Details

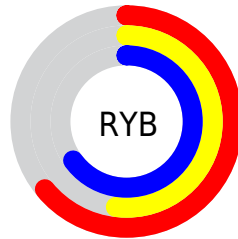
The XYZ color **29.9431, 26.9005, 39.2115** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **27.6126, 33.7278, 26.8859**, and the grayscale version is **26.7643, 28.1581, 30.6642**.

A 20% lighter version of the original color is **58.8825, 54.6169, 75.1488**, and **12.4283, 10.5418, 17.0025** is the 20% darker color. If you saturate the color by 10%, you get **27.5776, 22.6186, 38.5101**, and if you desaturate by 10%, it is **32.6678, 31.8944, 40.0322**.

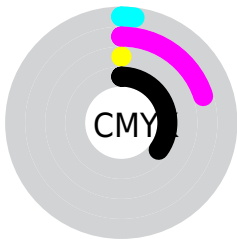
# Distribution



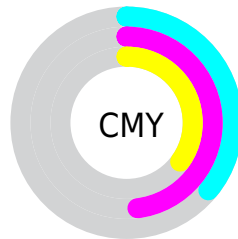
- Red (64%)
- Green (52%)
- Blue (65%)



- Red (64%)
- Yellow (52%)
- Blue (65%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (48%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9431, 26.9005, 39.2115 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 29.9431, 26.9005, 39.2115 by changing the saturation by 10% instead.



■ 29.9431, 26.9005,  
39.2115

■ 29.9431, 26.9005,  
39.2115

293.5537,  
287.1750, 358.2416

■ 19.9433, 17.4985,  
26.6152

■ 58.9594, 54.7242,  
75.1852

■ 12.4618, 10.5906,  
17.0546

■ 78.7066, 73.9146,  
99.3997

■ 7.1335, 5.7922,  
10.1110

■ 102.4337, 97.1367,  
128.3240

■ 3.5928, 2.7192,  
5.3661

130.5059,  
124.7748, 162.3767

■ 1.4744, 0.9869,  
2.4011

163.2886,  
157.2132, 201.9762

■ 0.3083, 0.0000,  
0.7871

201.1473,

■ 0.0000, 0.0000,

194.8365, 247.5412

0.0000

244.4472,  
238.0290, 299.4902

■ 29.9431, 26.9005,  
39.2115

■ 29.9431, 26.9005,  
39.2115

■ 27.5776, 22.6186,  
38.5101

■ 32.6678, 31.8944,  
40.0322

■ 25.5521, 19.0120,  
37.9207

■ 35.7647, 37.6277,  
40.9756

■ 23.8497, 16.0461,  
37.4379

■ 39.2493, 44.1309,  
42.0472

■ 22.4506, 13.6815,  
37.0553

■ 43.1353, 51.4316,  
43.2516

■ 21.3332, 11.8749,  
36.7655

■ 47.4359, 59.5559,  
44.5931

■ 20.4727, 10.5770,  
36.5603

■ 52.1635, 68.5288,  
46.0758

■ 19.8402, 9.7297,  
36.4301

■ 57.3302, 78.3745,  
47.7039

■ 19.3696, 9.2009,  
36.3528

■ 60.0074, 83.2354,  
48.5011

■ 19.3695, 9.2008,  
36.3528

■ 60.3435, 83.4087,  
48.5168

# Harmonies

## Analogous

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



27.6465, 26.9005, 45.2498



29.9431, 26.9005, 39.2115



31.0806, 26.9005, 31.1621

# Triad

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



29.9431, 26.9005, 39.2115



26.2137, 26.9005, 16.8624



21.0737, 26.9005, 35.4791

# Complementary

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



29.9431, 26.9005, 39.2115



27.6126, 33.7278, 26.8859

# 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.



20.7493, 26.9005, 27.4945



29.9431, 26.9005, 39.2115



23.5966, 26.9005, 17.6083

# Square

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



29.9431, 26.9005, 39.2115



28.8312, 26.9005, 18.9468



21.6415, 26.9005, 21.2015



22.5610, 26.9005, 42.8435



# Rectangle

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



29.9431, 26.9005, 39.2115



30.9758, 26.9005, 26.0853



21.6415, 26.9005, 21.2015



20.8295, 26.9005, 32.7471

# Sweetspot

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



29.9439, 26.9017, 39.2121



60.5808, 60.9519, 72.3243



25.0143, 25.0352, 39.1116



13.1720, 13.1919, 15.7896



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9439, 26.9017, 39.2121



51.6672, 44.6181, 69.6413



29.4203, 26.7634, 33.2361



7.3006, 7.1693, 8.9021



14.6750, 6.9717, 27.5020



0.3255, 0.1554, 0.5787



# Inverse Universe

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



28.1424, 26.2523, 26.5068



47.8684, 43.2541, 42.6111



28.0981, 33.8670, 31.9261



7.0987, 7.0959, 7.5062



11.8129, 6.0812, 0.9392

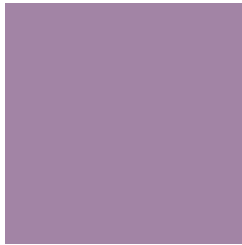


0.2555, 0.1307, 0.0584



# Previews

## White Background



This preview shows how the XYZ color 29.9431, 26.9005, 39.2115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

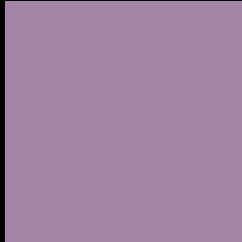
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.9431, 26.9005, 39.2115 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 29.9431, 26.9005, 39.2115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.9431, 26.9005, 39.2115.



This preview shows how white text looks on a background with the XYZ color 29.9431, 26.9005,



# 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

29.9431, 26.9005, 39.2115

### Protanopia

26.8672, 27.1409, 42.3507

### Deuteranopia

27.4664, 26.8770, 38.8621



## Tritanopia

28.1504, 26.7742, 30.8784

# Trichromacy



## Original Color

29.9431, 26.9005, 39.2115

## Protanomaly

27.9270, 27.0613, 41.2876

## Deuteranomaly

28.2675, 26.8680, 38.8181

## Tritanomaly

28.7721, 26.8237, 33.7980

# Monochromacy



## Original Color

29.9431, 26.9005, 39.2115

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

27.8081, 27.6025, 33.5679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.9431, 26.9005, 39.2115 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(162, 132, 165)` looks like.

```
.text, #text, p{  
    color:rgb(162, 132, 165)  
}
```

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(162, 132, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 132, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 29.9431, 26.9005, 39.2115 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(162, 132, 165) }
```



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

```
.border{ border-color:rgb(162, 132, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 132, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 132, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 132, 165);  
box-shadow:4px 4px 4px 4px rgb(162, 132,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.9431, 26.9005, 39.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 132, 165) }
```

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

```
.background{ background-color: rgb(162,  
132, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor