

# Converting Colors

XYZ(32.0439, 28.1233, 30.6215)

Have a look what the booklet for  
XYZ(32.0439, 28.1233, 30.6215)  
contains.

<b>XYZ(31.9525, 28.1306, 30.5337)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.9525, 28.1306,  
30.5337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B38491
RGB	179, 132, 145
RGB Percent	70%, 52%, 57%
CMY	0.2980, 0.4823, 0.4314
CMYK	0.00, 0.26, 0.19, 0.30
HSL	343°, 24%, 61%
HSV	343°, 26%, 70%
XYZ	31.9525, 28.1306, 30.5337
YIQ	147.5350, 23.8390, 14.0070

# Conversions

## Conversions Part 2

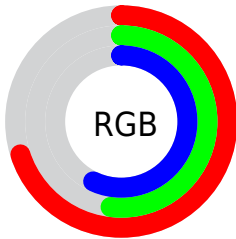
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">179, 132, 145</a>
Decimal	<a href="#">11764881</a>
CIELab	<a href="#">60.01, 20.05, 0.14</a>
CIELCh	<a href="#">60, 20.049, 0.391</a>
Yxy	<a href="#">28.1306, 0.3526, 0.3104</a>
Android (android.graphics.Color)	<a href="#">4289954961 (0xFFB38491)</a>
YUV	<a href="#">147.5350, -1.2498, 27.5948</a>
Hunter-Lab	<a href="#">53.0383, 14.7189, 2.9940</a>

# Details

The XYZ color **31.9525, 28.1306, 30.5337** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.5199, 39.8996, 42.0658**, and the grayscale version is **27.9536, 29.4094, 32.0268**.

A 20% lighter version of the original color is **61.9187, 56.4836, 61.6718**, and **13.5403, 11.2208, 12.2786** is the 20% darker color. If you saturate the color by 10%, you get **28.7880, 23.3093, 24.8299**, and if you desaturate by 10%, it is **35.6490, 33.8330, 36.9771**.

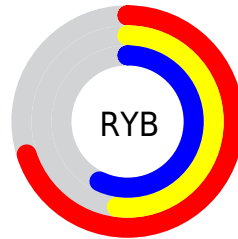
# Distribution



Red (70%)

Green (52%)

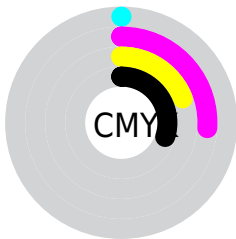
Blue (57%)



Red (70%)

Yellow (52%)

Blue (57%)

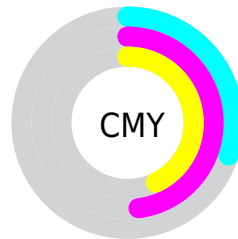


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (30%)



Cyan (30%)

Magenta (48%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9525, 28.1306, 30.5337 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 31.9525, 28.1306, 30.5337 by changing the saturation by 10% instead.





 31.9525, 28.1306,  
30.5337


 31.9525, 28.1306,  
30.5337


302.6520,  
293.0904, 318.6687

 21.4806, 18.4241,  
19.9886


 62.1023, 56.6929,  
61.5761

 13.5902, 11.2549,  
12.2027


 82.5109, 76.3175,  
82.9105

 7.9160, 6.2386,  
6.7577


 106.9625,  
100.0169, 108.6783

 4.0926, 2.9907,  
3.2349

135.8224,  
128.1756, 139.2982

 1.7547, 1.1269,  
1.2158

169.4559,  
161.1779, 175.1886

 0.4901, 0.0007,  
0.0000

208.2284,

 0.0000, 0.0000,

199.4082, 216.7681

0.0000

252.5053,  
243.2509, 264.4553

■ 31.9525, 28.1306,  
30.5337

■ 31.9525, 28.1306,  
30.5337

■ 28.7880, 23.3093,  
24.8299

■ 35.6490, 33.8330,  
36.9771

■ 26.1279, 19.3212,  
19.8368

■ 39.8983, 40.4534,  
44.1839

■ 23.9460, 16.1197,  
15.5262


■ 44.7233, 48.0317,  
52.1793


■ 22.2123, 13.6519,  
11.8670

■ 50.1448, 56.6039,  
60.9864


■ 20.8937, 11.8586,  
8.8259


■ 56.1822, 66.2044,  
70.6276


 19.9519, 10.6711,  
6.3658

 62.8546, 76.8657,  
81.1243

 19.3374, 9.9989,  
4.4442

 69.4401, 87.1396,  
92.2507

 19.1555, 9.8098,  
3.8453

 71.3871, 87.9184,  
102.5036

 72.4005, 88.3238,  
107.8400

# Harmonies

## Analogous

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



31.2362, 28.1306, 38.1138



31.9525, 28.1306, 30.5337



31.1991, 28.1306, 24.0536

# Triad

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



31.9525, 28.1306, 30.5337



24.3301, 28.1306, 20.0327



24.3845, 28.1306, 44.5499

# Complementary

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



31.9525, 28.1306, 30.5337



32.5199, 39.8996, 42.0658

# 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.



22.7226, 28.1306, 38.3062



31.9525, 28.1306, 30.5337



22.6926, 28.1306, 24.1952

# Square

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



31.9525, 28.1306, 30.5337



26.7038, 28.1306, 18.6124



22.1229, 28.1306, 30.7254



26.7708, 28.1306, 46.9480



# Rectangle

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



31.9525, 28.1306, 30.5337



29.9906, 28.1306, 21.0251



22.1229, 28.1306, 30.7254



23.7282, 28.1306, 42.7869

# Sweetspot

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



31.9533, 28.1319, 30.5343



69.9478, 70.0920, 76.5981



32.0485, 27.8314, 46.3309



15.2366, 15.1225, 16.5314



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



31.9533, 28.1319, 30.5343



53.5556, 44.7752, 48.1126



32.4565, 30.6515, 26.0371



8.5897, 8.5426, 9.3380



13.5604, 6.9417, 2.8449



0.4520, 0.2285, 0.2228



# Inverse Universe

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



31.9533, 28.1319, 30.5343



53.5556, 44.7752, 48.1126



31.8073, 36.4689, 48.0108



8.5897, 8.5426, 9.3380



13.5604, 6.9417, 2.8449

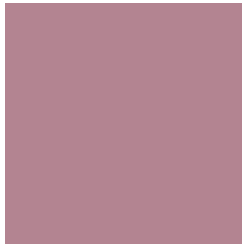


0.4520, 0.2285, 0.2228



# Previews

## White Background



This preview shows how the XYZ color 31.9525, 28.1306, 30.5337 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 31.9525, 28.1306, 30.5337 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 31.9525, 28.1306, 30.5337**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.9525, 28.1306, 30.5337.



This preview shows how white text looks on a background with the XYZ color 31.9525, 28.1306,



# 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

31.9525, 28.1306, 30.5337

### Protanopia

27.3178, 28.2333, 33.7155

### Deuteranopia

28.6341, 28.1103, 29.9032



## Tritanopia

31.7996, 28.0694, 29.7285

# Trichromacy



## Original Color

31.9525, 28.1306, 30.5337

## Protanomaly

28.7075, 28.0942, 32.3434

## Deuteranomaly

29.7056, 28.0119, 30.2267

## Tritanomaly

31.8757, 28.0999, 30.1293

# Monochromacy



## Original Color

31.9525, 28.1306, 30.5337

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.2375, 28.8235, 31.6263

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9525, 28.1306, 30.5337 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(179, 132, 145)` looks like.

```
.text, #text, p{  
    color:rgb(179, 132, 145)  
}
```

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(179, 132, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 132, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9525, 28.1306, 30.5337 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(179, 132, 145) }
```



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

```
.border{ border-color:rgb(179, 132, 145) }
```

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

Here you see how a box with a 4 pixel rgb(179, 132, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 132, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 132, 145);  
box-shadow:4px 4px 4px 4px rgb(179, 132,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9525, 28.1306, 30.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 132, 145) }
```

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

```
.background{ background-color: rgb(179,  
132, 145) }
```

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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