

# Converting Colors

XYZ(42.8865, 35.6733, 31.0851)

Have a look what the booklet for  
XYZ(42.8865, 35.6733, 31.0851)  
contains.

<b>XYZ(42.8778, 35.6623, 31.0092)</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(42.8778, 35.6623,  
31.0092)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D88D90
RGB	216, 141, 144
RGB Percent	85%, 55%, 56%
CMY	0.1529, 0.4470, 0.4353
CMYK	0.00, 0.35, 0.33, 0.15
HSL	358°, 49%, 70%
HSV	358°, 35%, 85%
XYZ	42.8778, 35.6623, 31.0092
YIQ	163.7670, 43.7370, 16.8330

# Conversions

## Conversions Part 2

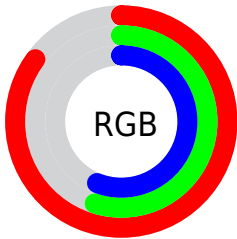
Format	Color
R <sub>Y</sub> B	216, 141, 144
Decimal	14192016
CIE Lab	66.26, 28.90, 10.24
CIE LCh	66, 30.661, 19.519
Yxy	35.6623, 0.3914, 0.3255
Android (android.graphics.Color)	4292382096 (0xFFD88D90)
YUV	163.7670, -9.7451, 45.8083
Hunter-Lab	59.7179, 23.6576, 11.0155

# Details

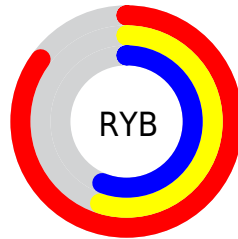
The XYZ color **42.8778, 35.6623, 31.0092** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.5522, 59.5793, 71.9475**, and the grayscale version is **35.2070, 37.0405, 40.3371**.

A 20% lighter version of the original color is **70.9481, 64.3674, 62.1109**, and **19.9746, 15.4914, 12.5270** is the 20% darker color. If you saturate the color by 10%, you get **38.5558, 29.3260, 22.4540**, and if you desaturate by 10%, it is **48.1139, 43.3606, 41.3062**.

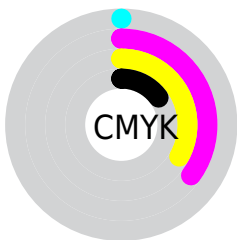
# Distribution



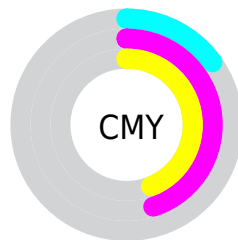
- Red (85%)
- Green (55%)
- Blue (56%)



- Red (85%)
- Yellow (55%)
- Blue (56%)



- Cyan (0%)
- Magenta (35%)
- Yellow (33%)
- Black (15%)



- Cyan (15%)
- Magenta (45%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8778, 35.6623, 31.0092 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 42.8778, 35.6623, 31.0092 by changing the saturation by 10% instead.





 42.8778, 35.6623,  
31.0092


 42.8778, 35.6623,  
31.0092


349.0390,  
327.4821, 320.9332


 29.9834, 24.1735,  
20.3473

 78.7833, 68.5105,  
62.3343

 19.9740, 15.4624,  
12.4612

 102.5250, 90.6387,  
83.8346

 12.4843, 9.1445,  
6.9323

 130.6133,  
117.0822, 109.7848

 7.1489, 4.8356,  
3.3420

163.4133,  
148.2253, 140.6035

 3.6026, 2.1511,  
1.2718

201.2906,  
184.4524, 176.7091

 1.4798, 0.6931,  
0.0385

244.6104,

 0.3121, 0.0000,

226.1480, 218.5202

0.0000

293.7381,  
273.6965, 266.4554

■ 0.0000, 0.0000,  
0.0000

■ 42.8778, 35.6623,  
31.0092

■ 42.8778, 35.6623,  
31.0092

■ 38.5558, 29.3260,  
22.4540

■ 48.1139, 43.3606,  
41.3062

■ 35.0929, 24.2678,  
15.5423

■ 54.3094, 52.4884,  
53.4315

■ 32.4325, 20.4022,  
10.1693

■ 61.5099, 63.1146,  
67.4686

■ 30.5101, 17.6315,  
6.2174

■ 69.7573, 75.3026,  
83.4952

■ 29.2513, 15.8423,  
3.5518

■ 79.0912, 89.1118,  
101.5846

■ 28.5658, 14.8967,  
2.0120

■ 82.1289, 93.3389,  
108.2953

■ 28.3662, 14.6178,  
1.5742

# Harmonies

## Analogous

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



43.2986, 35.6623, 43.5940



42.8778, 35.6623, 31.0092



39.9311, 35.6623, 22.6523

# Triad

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



42.8778, 35.6623, 31.0092



27.6379, 35.6623, 24.6683



32.3213, 35.6623, 69.2305

# Complementary

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



42.8778, 35.6623, 31.0092



47.5522, 59.5793, 71.9475

# 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.



28.5018, 35.6623, 61.3074



42.8778, 35.6623, 31.0092



25.9637, 35.6623, 34.4267

# Square

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



42.8778, 35.6623, 31.0092



31.0421, 35.6623, 19.6020



26.2651, 35.6623, 47.8667



36.9196, 35.6623, 67.7314



# Rectangle

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



42.8778, 35.6623, 31.0092



37.0668, 35.6623, 19.6939



26.2651, 35.6623, 47.8667



30.9113, 35.6623, 67.5219

# Sweetspot

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



42.8787, 35.6640, 31.0099



83.7537, 83.3181, 86.9130



49.1440, 38.0436, 69.7187



17.6133, 17.3710, 17.9917



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.



42.8787, 35.6640, 31.0099



57.4963, 44.6813, 35.3761



48.4090, 47.0861, 31.7386



12.4432, 12.4288, 13.0079



16.7993, 8.6560, 0.9813



1.0205, 0.5250, 0.0973



# Inverse Universe

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



42.8787, 35.6640, 31.0099



57.4963, 44.6813, 35.3761



40.1599, 44.1805, 71.3768



12.4432, 12.4288, 13.0079



16.7993, 8.6560, 0.9813



1.0205, 0.5250, 0.0973



# Previews

## White Background



This preview shows how the XYZ color 42.8778, 35.6623, 31.0092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

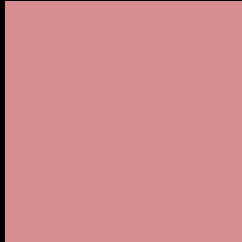
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.8778, 35.6623, 31.0092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

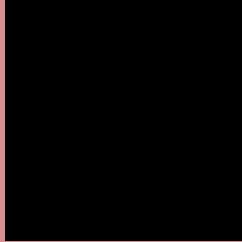
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8778, 35.6623, 31.0092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8778, 35.6623, 31.0092.



This preview shows how white text looks on a background with the XYZ color 42.8778, 35.6623,



# 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

42.8778, 35.6623, 31.0092

### Protanopia

34.3871, 35.9633, 36.1396

### Deuteranopia

36.4633, 35.8904, 30.2050



## Tritanopia

43.5793, 35.7422, 33.8802

# Trichromacy



## Original Color

42.8778, 35.6623, 31.0092

## Protanomaly

36.9087, 35.5359, 34.1920

## Deuteranomaly

38.7140, 35.8220, 30.4651

## Tritanomaly

43.3387, 35.6460, 32.6131

# Monochromacy



## Original Color

42.8778, 35.6623, 31.0092

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.5027, 36.2785, 36.9241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8778, 35.6623, 31.0092 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(216, 141, 144)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 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(216, 141, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8778, 35.6623, 31.0092 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(216, 141, 144) }
```



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

```
.border{ border-color:rgb(216, 141, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 141, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 141, 144);  
box-shadow:4px 4px 4px 4px rgb(216, 141,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8778, 35.6623, 31.0092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 144) }
```

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

```
.background{ background-color: rgb(216,  
141, 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](#).

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