

# Converting Colors

XYZ(42.5247, 32.0641, 31.2513)

Have a look what the booklet for  
XYZ(42.5247, 32.0641, 31.2513)  
contains.

<b>XYZ(42.5202, 32.0202, 31.1336)</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(42.5202, 32.0202,  
31.1336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE7C92
RGB	222, 124, 146
RGB Percent	87%, 49%, 57%
CMY	0.1294, 0.5137, 0.4274
CMYK	0.00, 0.44, 0.34, 0.13
HSL	347°, 60%, 68%
HSV	347°, 44%, 87%
XYZ	42.5202, 32.0202, 31.1336
YIQ	155.8100, 51.3460, 27.6180

# Conversions

## Conversions Part 2

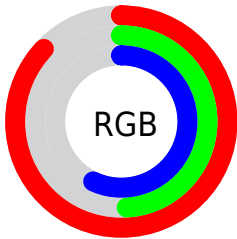
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 124, 146
Decimal	14580882
CIE Lab	63.36, 40.34, 5.07
CIE LCh	63, 40.654, 7.158
Yxy	32.0202, 0.4024, 0.3030
Android (android.graphics.Color)	4292770962 (0xFFDE7C92)
YUV	155.8100, -4.8363, 58.0486
Hunter-Lab	56.5864, 35.1024, 6.9894

# Details

The XYZ color **42.5202, 32.0202, 31.1336** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **44.8604, 60.6986, 63.9985**, and the grayscale version is **31.5209, 33.1625, 36.1139**.

A 20% lighter version of the original color is **67.5857, 57.2709, 62.1358**, and **19.7385, 13.3718, 12.6070** is the 20% darker color. If you saturate the color by 10%, you get **38.8047, 26.5735, 23.7775**, and if you desaturate by 10%, it is **47.0654, 38.8031, 39.7620**.

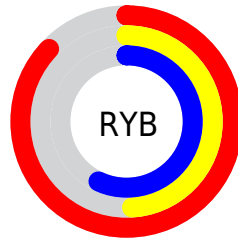
# Distribution



Red (87%)

Green (49%)

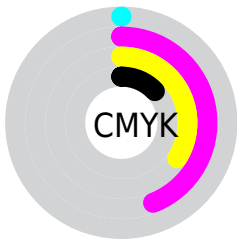
Blue (57%)



Red (87%)

Yellow (49%)

Blue (57%)

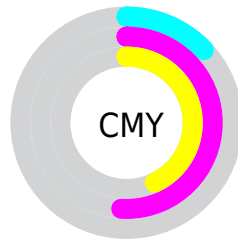


Cyan (0%)

Magenta (44%)

Yellow (34%)

Black (13%)



Cyan (13%)

Magenta (51%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5202, 32.0202, 31.1336 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 42.5202, 32.0202, 31.1336 by changing the saturation by 10% instead.





 42.5202, 32.0202,  
31.1336


 42.5202, 32.0202,  
31.1336

347.5899,  
311.2113, 321.5236


 29.7017, 21.3769,  
20.4413


 78.2466, 62.8428,  
62.5324

 19.7592, 13.3998,  
12.5290


 101.8852, 83.7908,  
84.0759

 12.3274, 7.7044,  
6.9781


 129.8612,  
108.9426, 110.0737

 7.0408, 3.9064,  
3.3702

162.5399,  
138.6825, 140.9441

 3.5342, 1.6213,  
1.2866

200.2869,  
173.3950, 177.1057

 1.4422, 0.3719,  
0.0508

243.4672,

 0.2860, 0.0000,

213.4643, 218.9772

0.0000

292.4465,  
259.2749, 266.9770

■ 0.0000, 0.0000,  
0.0000

■ 42.5202, 32.0202,  
31.1336

■ 42.5202, 32.0202,  
31.1336

■ 38.8047, 26.5735,  
23.7775

■ 47.0654, 38.8031,  
39.7620

■ 35.8647, 22.3696,  
17.6305

■ 52.4847, 46.9981,  
49.7182

■ 33.6437, 19.3106,  
12.6261


■ 58.8223, 56.6808,  
61.0564


■ 32.0756, 17.2815,  
8.6907

■ 66.1188, 67.9202,  
73.8273

■ 31.0817, 16.1430,  
5.7409

■ 74.4122, 80.7809,  
88.0790

 30.6963, 15.7585,  
4.4220

 83.0307, 93.9082,  
103.6214

 83.9343, 94.2696,  
108.3798

# Harmonies

## Analogous

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



41.5696, 32.0202, 48.3728



42.5202, 32.0202, 31.1336



39.9272, 32.0202, 19.2608

# Triad

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



42.5202, 32.0202, 31.1336



24.3392, 32.0202, 15.4993



26.4134, 32.0202, 72.0620

# Complementary

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



42.5202, 32.0202, 31.1336



44.8604, 60.6986, 63.9985

# 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.



22.5795, 32.0202, 57.2057



42.5202, 32.0202, 31.1336



21.4894, 32.0202, 24.1390

# Square

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



42.5202, 32.0202, 31.1336



29.1020, 32.0202, 12.2270



20.8875, 32.0202, 38.8823



31.8066, 32.0202, 75.6822



# Rectangle

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



42.5202, 32.0202, 31.1336



36.7064, 32.0202, 14.7303



20.8875, 32.0202, 38.8823



24.9207, 32.0202, 68.0344

# Sweetspot

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



42.5211, 32.0218, 31.1342



81.5049, 79.0963, 85.3130



43.9823, 31.8513, 72.9373



17.0020, 16.2495, 17.4760



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.



42.5211, 32.0218, 31.1342



53.4583, 36.8648, 33.2302



44.6911, 38.8417, 24.2125



13.8326, 13.7507, 14.8886



18.2676, 9.3740, 2.8091



1.2999, 0.6632, 0.3723



# Inverse Universe

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



42.5211, 32.0218, 31.1342



53.4583, 36.8648, 33.2302



41.2082, 48.9800, 76.3896



13.8326, 13.7507, 14.8886



18.2676, 9.3740, 2.8091



1.2999, 0.6632, 0.3723



# Previews

## White Background



This preview shows how the XYZ color 42.5202, 32.0202, 31.1336 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 42.5202, 32.0202, 31.1336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

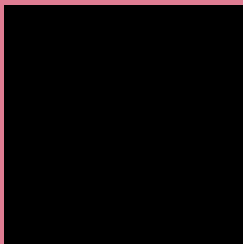
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.5202, 32.0202, 31.1336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5202, 32.0202, 31.1336.



This preview shows how white text looks on a background with the XYZ color 42.5202, 32.0202,



# 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

42.5202, 32.0202, 31.1336

### Protanopia

31.3285, 32.2968, 39.2331

### Deuteranopia

32.7060, 32.0170, 30.0473



## Tritanopia

41.6528, 32.0431, 26.9113

# Trichromacy



## Original Color

42.5202, 32.0202, 31.1336

## Protanomaly

34.3492, 31.3640, 36.1418

## Deuteranomaly

35.6764, 31.5248, 30.1911

## Tritanomaly

41.8126, 31.9035, 28.3803

# Monochromacy



## Original Color

42.5202, 32.0202, 31.1336

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.4631, 31.9168, 34.0499

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5202, 32.0202, 31.1336 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(222, 124, 146)` looks like.

```
.text, #text, p{  
    color:rgb(222, 124, 146)  
}
```

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(222, 124, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 124, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5202, 32.0202, 31.1336 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(222, 124, 146) }
```



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

```
.border{ border-color:rgb(222, 124, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 124, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 124, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 124, 146);  
box-shadow:4px 4px 4px 4px rgb(222, 124,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5202, 32.0202, 31.1336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 124, 146) }
```

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

```
.background{ background-color: rgb(222,  
124, 146) }
```

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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