

Converting Colors

XYZ(42.3805, 31.2757, 30.9242)

Have a look what the booklet for
XYZ(42.3805, 31.2757, 30.9242)
contains.

XYZ(42.3362, 31.1962, 30.9842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.3362, 31.1962,
30.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	DF7892
RGB	223, 120, 146
RGB Percent	87%, 47%, 57%
CMY	0.1255, 0.5294, 0.4274
CMYK	0.00, 0.46, 0.35, 0.13
HSL	345°, 62%, 67%
HSV	345°, 46%, 87%
XYZ	42.3362, 31.1962, 30.9842
YIQ	153.7610, 53.0420, 29.9220

Conversions

Conversions Part 2

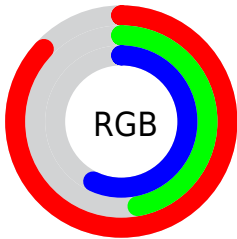
Format	Color
R _Y B	223, 120, 146
Decimal	14645394
CIE Lab	62.67, 42.74, 4.09
CIE LCh	63, 42.940, 5.470
Yxy	31.1962, 0.4051, 0.2985
Android (android.graphics.Color)	4292835474 (0xFFDF7892)
YUV	153.7610, -3.8262, 60.7226
Hunter-Lab	55.8536, 37.5567, 6.2070

Details

The XYZ color **42.3362, 31.1962, 30.9842** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.2130, 60.8004, 62.2320**, and the grayscale version is **30.6112, 32.2054, 35.0717**.

A 20% lighter version of the original color is **66.8014, 55.7022, 61.8744**, and **19.6955, 12.9781, 12.5333** is the 20% darker color. If you saturate the color by 10%, you get **38.7561, 25.9622, 23.8523**, and if you desaturate by 10%, it is **46.7316, 37.7578, 39.3216**.

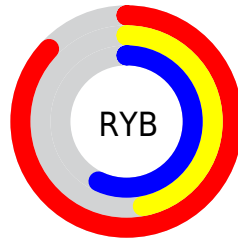
Distribution



Red (87%)

Green (47%)

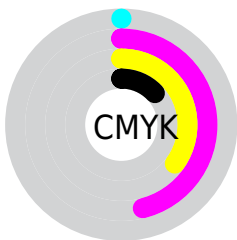
Blue (57%)



Red (87%)

Yellow (47%)

Blue (57%)

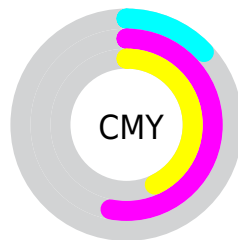


Cyan (0%)

Magenta (46%)

Yellow (35%)

Black (13%)



Cyan (13%)


Magenta (53%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3362, 31.1962, 30.9842 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 42.3362, 31.1962, 30.9842 by changing the saturation by 10% instead.


 42.3362, 31.1962,
30.9842


 42.3362, 31.1962,
30.9842


346.8427,
307.4412, 320.8145


 29.5569, 20.7483,
20.3285


 77.9702, 61.5488,
62.2945

 19.6489, 12.9401,
12.4476


 101.5556, 82.2224,
83.7861

 12.2469, 7.3873,
6.9230


 129.4737,
107.0732, 109.7267

 6.9854, 3.7055,
3.3363

162.0899,
136.4858, 140.5350

 3.4992, 1.5102,
1.2688

199.7695,
170.8445, 176.6293

 1.4229, 0.2959,
0.0360

242.8780,

 0.2725, 0.0000,

210.5337, 218.4283

0.0000

291.7806,
255.9378, 266.3505

■ 0.0000, 0.0000,
0.0000

■ 42.3362, 31.1962,
30.9842

■ 42.3362, 31.1962,
30.9842

■ 38.7561, 25.9622,
23.8523

■ 46.7316, 37.7578,
39.3216

■ 35.9366, 21.9600,
17.8664

■ 51.9872, 45.7250,
48.9164

■ 33.8201, 19.0882,
12.9647


■ 58.1475, 55.1751,
59.8192


■ 32.3392, 17.2270,
9.0778


■ 65.2532, 66.1784,
72.0776

■ 31.4110, 16.2275,
6.1270

■ 73.3424, 78.8008,
85.7366

 31.1522, 15.9763,
5.2196

 82.4511, 93.1044,
100.8391

 84.2415, 94.4280,
108.3942

Harmonies

Analogous

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



41.1239, 31.1962, 49.1974



42.3362, 31.1962, 30.9842



39.8030, 31.1962, 18.4765

Triad

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



42.3362, 31.1962, 30.9842



23.5835, 31.1962, 13.8866



25.2162, 31.1962, 72.5774

Complementary

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



42.3362, 31.1962, 30.9842



44.2130, 60.8004, 62.2320

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.



21.3911, 31.1962, 56.3353



42.3362, 31.1962, 30.9842



20.5390, 31.1962, 22.2577

Square

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



42.3362, 31.1962, 30.9842



28.5903, 31.1962, 10.9119



19.7925, 31.1962, 37.1361



30.7378, 31.1962, 77.2610

Rectangle

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



42.3362, 31.1962, 30.9842



36.5050, 31.1962, 13.7201



19.7925, 31.1962, 37.1361



23.7136, 31.1962, 68.0761

Sweetspot

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



42.3370, 31.1978, 30.9848



80.6966, 77.6984, 84.3690



42.6807, 30.4356, 73.4373



16.8486, 15.9768, 17.3202



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.



42.3370, 31.1978, 30.9848



52.8592, 35.6713, 33.0158



43.8010, 37.0023, 22.6048



13.8484, 13.7570, 14.9721



18.3555, 9.4092, 3.2720



1.3080, 0.6665, 0.4149

Inverse Universe

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



42.3370, 31.1978, 30.9848



52.8592, 35.6713, 33.0158



41.4820, 50.1535, 77.3064



13.8484, 13.7570, 14.9721



18.3555, 9.4092, 3.2720



1.3080, 0.6665, 0.4149

Previews

White Background



This preview shows how the XYZ color 42.3362, 31.1962, 30.9842 looks on a white background.

Color Contrast Check

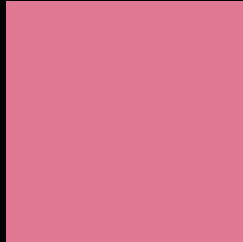
Large Text (above 18pt) WCAG AA × Fail

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 42.3362, 31.1962, 30.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

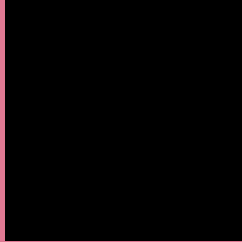
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3362, 31.1962, 30.9842

Background



This preview shows how black text looks on a background with the XYZ color 42.3362, 31.1962, 30.9842.



This preview shows how white text looks on a background with the XYZ color 42.3362, 31.1962,

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

42.3362, 31.1962, 30.9842

Protanopia

30.5299, 31.3929, 39.5723

Deuteranopia

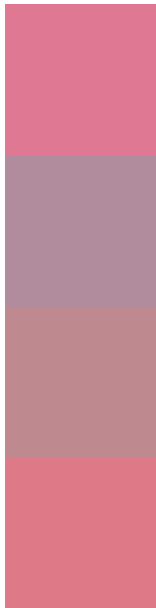
32.0360, 31.4485, 29.5810



Tritanopia

41.3039, 31.3342, 25.3439

Trichromacy



Original Color

42.3362, 31.1962, 30.9842

Protanomaly

33.5953, 30.5376, 36.0220

Deuteranomaly

35.1388, 30.8216, 30.0838

Tritanomaly

41.5277, 31.2262, 27.1311

Monochromacy



Original Color

42.3362, 31.1962, 30.9842

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.8493, 31.1641, 33.5094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3362, 31.1962, 30.9842 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(223, 120, 146)` looks like.

```
.text, #text, p{  
    color:rgb(223, 120, 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(223, 120, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 120, 146) }
```

Border

The CSS property to change the border of an element to XYZ 42.3362, 31.1962, 30.9842 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(223, 120, 146) }
```


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

```
.border{ border-color:rgb(223, 120, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 120, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 120, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 120, 146);  
box-shadow:4px 4px 4px 4px rgb(223, 120,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3362, 31.1962, 30.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 120, 146) }
```

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

```
.background{ background-color: rgb(223,  
120, 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](#).

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