

Converting Colors

XYZ(68.1602, 72.8305, 75.2482)

Have a look what the booklet for
XYZ(68.1602, 72.8305, 75.2482)
contains.

XYZ(68.2975, 72.9489, 75.4466)	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(68.2975, 72.9489,
75.4466)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDFD8
RGB	220, 223, 216
RGB Percent	86%, 87%, 85%
CMY	0.1373, 0.1255, 0.1529
CMYK	0.01, 0.00, 0.03, 0.13
HSL	86°, 10%, 86%
HSV	86°, 3%, 87%
XYZ	68.2975, 72.9489, 75.4466
YIQ	221.3050, 0.4590, -2.8130

Conversions

Conversions Part 2

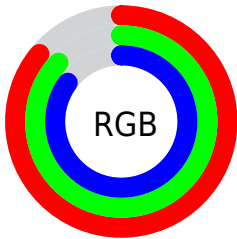
Format	Color
R_{YB}	216, 223, 219
Decimal	14475224
CIE Lab	88.42, -2.26, 3.06
CIE LCh	88, 3.803, 126.417
Yxy	72.9489, 0.3152, 0.3366
Android (android.graphics.Color)	4292665304 (0xFFDCDFD8)
YUV	221.3050, -2.6154, -1.1445
Hunter-Lab	85.4101, -6.7317, 7.4136

Details

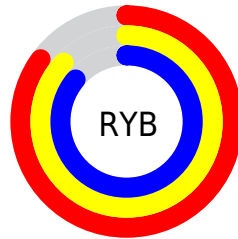
The XYZ color **68.2975, 72.9489, 75.4466** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0915, 69.5015, 79.6949**, and the grayscale version is **68.9608, 72.5522, 79.0093**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9527, 38.5778, 39.2696** is the 20% darker color. If you saturate the color by 10%, you get **62.7956, 70.4255, 61.1469**, and if you desaturate by 10%, it is **74.3605, 75.7206, 91.8181**.

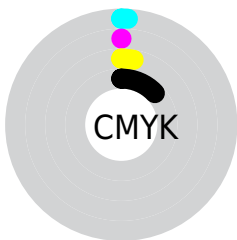
Distribution



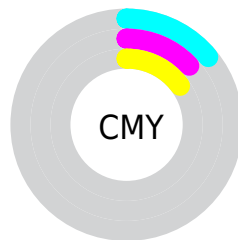
- Red (86%)
- Green (87%)
- Blue (85%)



- Red (85%)
- Yellow (87%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2975, 72.9489, 75.4466 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 68.2975, 72.9489, 75.4466 by changing the saturation by 10% instead.

■ 68.2975, 72.9489,
75.4466

■ 68.2975, 72.9489,
75.4466

443.9096,
470.8377, 498.7475

■ 50.4144, 53.9342,
55.4749

115.8172,
123.4047, 128.6973

■ 35.9619, 38.5490,
39.3809

146.1845,
155.6145, 162.8133

■ 24.5747, 26.4091,
26.7461

181.4439,
192.9915, 202.4812

■ 15.8875, 17.1299,
17.1519

221.9607,
235.9200, 248.1195

■ 9.5350, 10.3272,
10.1797

268.1003,
284.7845, 300.1467

■ 5.1516, 5.6164,
5.4111

320.2281,

■ 2.3722, 2.6133,

339.9694, 358.9814

2.4275

378.7094,
401.8590, 425.0422

■ 0.8312, 0.9333,
0.8014

■ 0.0000, 0.0000,
0.0000

■ 68.2975, 72.9489,
75.4466

■ 68.2975, 72.9489,
75.4466

■ 62.7956, 70.4255,
61.1469

■ 74.3605, 75.7206,
91.8181

■ 57.8303, 68.1332,
48.8316

■ 80.0807, 78.3722,
105.5144

■ 53.3841, 66.0671,
38.4142

■ 83.3989, 80.0828,
105.6697

■ 49.4362, 64.2185,
29.8000

■ 85.6791, 81.2583,
105.7764

■ 45.9641, 62.5780,
22.8861

■ 42.9432, 61.1354,
17.5592

■ 40.3463, 59.8796,
13.6922

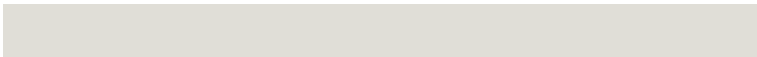
■ 38.1423, 58.7976,
11.1386

■ 36.2942, 57.8743,
9.7211

Harmonies

Analogous

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



69.1395, 72.9489, 74.5309



68.2975, 72.9489, 75.4466



67.7373, 72.9489, 77.4320

Triad

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



68.2975, 72.9489, 75.4466



68.6349, 72.9489, 84.1323



71.0971, 72.9489, 78.8677

Complementary

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



68.2975, 72.9489, 75.4466



67.0915, 69.5015, 79.6949

Split Complementary

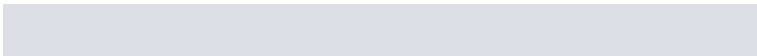
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9591, 72.9489, 81.4599



68.2975, 72.9489, 75.4466



69.5324, 72.9489, 84.5370

Square

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



68.2975, 72.9489, 75.4466



67.9309, 72.9489, 82.4550



70.3845, 72.9489, 83.5490



70.7598, 72.9489, 76.4779

Rectangle

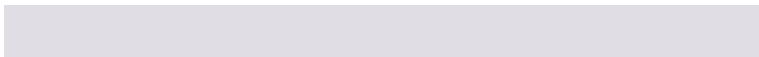
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2975, 72.9489, 75.4466



67.5962, 72.9489, 79.1148



70.3845, 72.9489, 83.5490



71.1048, 72.9489, 79.7439

Sweetspot

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



68.2995, 72.9520, 75.4482



94.2408, 99.6300, 106.7333



68.1386, 71.2680, 75.1316



20.1800, 21.3288, 22.8681



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.



68.2995, 72.9520, 75.4482



91.8595, 98.5399, 100.4048



67.2761, 72.4245, 75.4003



14.8533, 15.9872, 16.1001



20.8238, 33.7676, 5.4203



1.5453, 2.3931, 0.3805

Inverse Universe

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



67.0915, 69.5015, 79.6949



89.7714, 92.5758, 107.7452



68.1299, 70.0368, 79.7435



14.4571, 14.8554, 17.4931



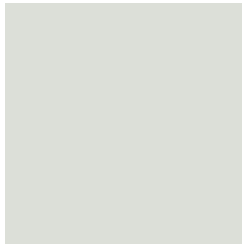
10.7705, 4.6477, 41.3778



0.8475, 0.3742, 2.8728

Previews

White Background



This preview shows how the XYZ color 68.2975, 72.9489, 75.4466 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 68.2975, 72.9489, 75.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

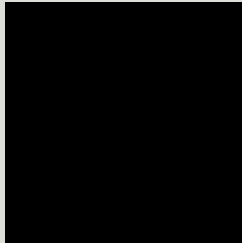
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

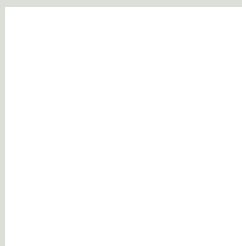
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2975, 72.9489, 75.4466

Background



This preview shows how black text looks on a background with the XYZ color 68.2975, 72.9489, 75.4466.



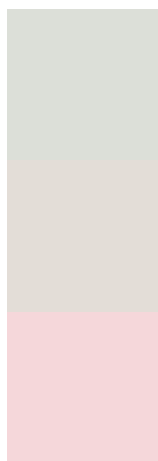
This preview shows how white text looks on a background with the XYZ color 68.2975, 72.9489,

75.4466.

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

68.2975, 72.9489, 75.4466

Protanopia

69.8007, 72.9501, 74.6919

Deuteranopia

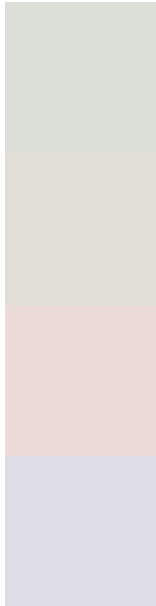
74.6115, 73.0753, 76.5022



Tritanopia

71.3107, 72.9888, 90.4505

Trichromacy



Original Color

68.2975, 72.9489, 75.4466

Protanomaly

69.1275, 72.9961, 74.7362

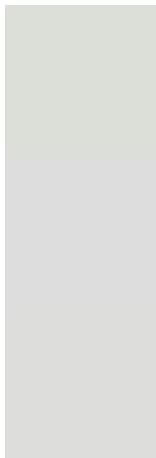
Deuteranomaly

72.1879, 72.9854, 75.9285

Tritanomaly

70.1235, 72.8996, 84.5039

Monochromacy



Original Color

68.2975, 72.9489, 75.4466

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7263, 72.7292, 77.4337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2975, 72.9489, 75.4466 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(220, 223, 216) looks like.

```
.text, #text, p{  
    color:rgb(220, 223, 216)  
}
```

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(220, 223, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 223, 216) }
```

Border

The CSS property to change the border of an element to XYZ 68.2975, 72.9489, 75.4466 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(220, 223, 216) }
```


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

```
.border{ border-color:rgb(220, 223, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 223, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 223, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 223, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 223,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2975, 72.9489, 75.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 223, 216) }
```

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

```
.background{ background-color: rgb(220,  
223, 216) }
```

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