

Converting Colors

XYZ(68.9372, 76.3033, 77.3280)

Have a look what the booklet for
XYZ(68.9372, 76.3033, 77.3280)
contains.

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Color

**XYZ(68.9624, 76.5099,
77.4629)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E7DA
RGB	214, 231, 218
RGB Percent	84%, 91%, 85%
CMY	0.1608, 0.0941, 0.1451
CMYK	0.07, 0.00, 0.06, 0.09
HSL	134°, 26%, 87%
HSV	134°, 7%, 91%
XYZ	68.9624, 76.5099, 77.4629
YIQ	224.4350, -5.9590, -7.6470

Conversions

Conversions Part 2

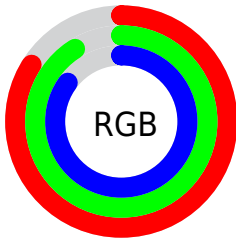
Format	Color
RYB	214, 228, 231
Decimal	14084058
CIELab	90.10, -8.02, 4.38
CIELCh	90, 9.136, 151.345
Yxy	76.5099, 0.3093, 0.3432
Android (android.graphics.Color)	4292274138 (0xFFD6E7DA)
YUV	224.4350, -3.1725, -9.1515
Hunter-Lab	87.4699, -12.3407, 8.7221

Details

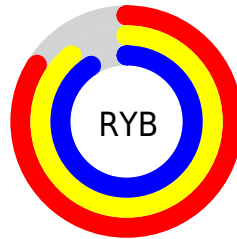
The XYZ color **68.9624, 76.5099, 77.4629** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8695, 70.6301, 82.5745**, and the grayscale version is **71.1896, 74.8970, 81.5628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2389, 40.6752, 40.5914** is the 20% darker color. If you saturate the color by 10%, you get **60.5030, 72.4041, 65.6360**, and if you desaturate by 10%, it is **78.6287, 81.2137, 90.6358**.

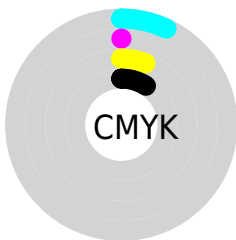
Distribution



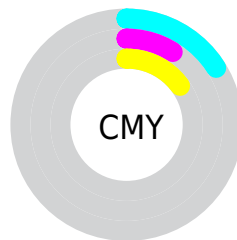
- Red (84%)
- Green (91%)
- Blue (85%)



- Red (84%)
- Yellow (89%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9624, 76.5099, 77.4629 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 68.9624, 76.5099, 77.4629 by changing the saturation by 10% instead.

68.9624, 76.5099,
77.4629

68.9624, 76.5099,
77.4629

446.2218,
483.0914, 505.8204

50.9576, 56.8507,
57.1190

116.7622,
128.4474, 131.5717

36.3958, 40.8854,
40.6908

147.2880,
161.4946, 166.1737

24.9115, 28.2295,
27.7597

182.7181,
199.7731, 206.3655

16.1395, 18.4988,
17.9071

223.4180,
243.6675, 252.5656

9.7144, 11.3087,
10.7146

269.7529,
293.5622, 305.1926

5.2708, 6.2748,
5.7635

322.0883,

2.4434, 3.0129,

349.8414, 364.6651

2.6354

380.7895,
412.8897, 431.4015

■ 0.8668, 1.1385,
0.9106

■ 0.0000, 0.0106,
0.0000

■ 68.9624, 76.5099,
77.4629

■ 68.9624, 76.5099,
77.4629

■ 60.5030, 72.4041,
65.6360

■ 78.6287, 81.2137,
90.6358

■ 53.1963, 68.8628,
55.1077

■ 87.6003, 85.5279,
105.0992

■ 46.9935, 65.8640,
45.8351

■ 87.8674, 85.6347,
106.5058

■ 41.8398, 63.3803,
37.7711

■ 37.6756, 61.3821,
30.8658

■ 34.4352, 59.8367,
25.0654

■ 32.0445, 58.7070,
20.3122

■ 30.4177, 57.9500,
16.5430

■ 29.4433, 57.5099,
13.6873

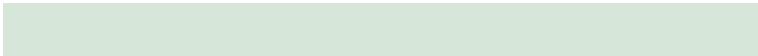
Harmonies

Analogous

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



70.4766, 76.5099, 73.0941



68.9624, 76.5099, 77.4629



68.4496, 76.5099, 83.5997

Triad

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



68.9624, 76.5099, 77.4629



72.8227, 76.5099, 96.4185



76.5065, 76.5099, 76.9804

Complementary

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



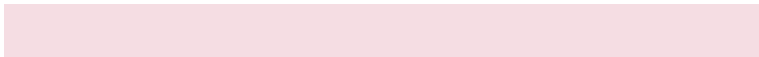
68.9624, 76.5099, 77.4629



70.8695, 70.6301, 82.5745

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.



77.1652, 76.5099, 83.0136



68.9624, 76.5099, 77.4629



75.0112, 76.5099, 94.4278

Square

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



68.9624, 76.5099, 77.4629



70.6503, 76.5099, 94.7468



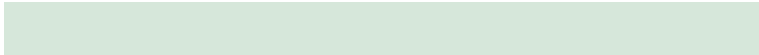
76.6124, 76.5099, 89.4364



74.8304, 76.5099, 72.8259

Rectangle

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



68.9624, 76.5099, 77.4629



68.7360, 76.5099, 87.9327



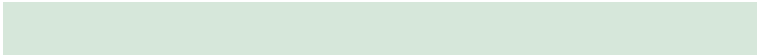
76.6124, 76.5099, 89.4364



76.8558, 76.5099, 78.8450

Sweetspot

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



68.9645, 76.5132, 77.4646



92.5768, 98.7969, 105.5396



72.4056, 78.3469, 74.9258



19.8412, 21.1592, 22.6251



0.0000, 0.0000, 0.0000



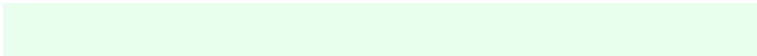
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9645, 76.5132, 77.4646



84.4067, 94.8249, 94.3194



70.1016, 76.9680, 83.4523



14.3276, 16.1445, 15.9898



16.4378, 32.2072, 7.5400



1.2502, 2.3942, 0.7440

Inverse Universe

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



70.8695, 70.6301, 82.5745



87.3035, 85.8785, 102.0896



69.7288, 70.1739, 76.5678



14.8425, 14.5542, 17.3709



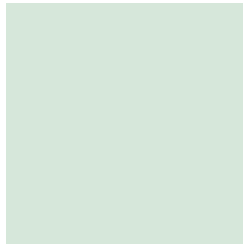
22.9552, 11.3163, 24.4567



1.7315, 0.8503, 1.9925

Previews

White Background



This preview shows how the XYZ color 68.9624, 76.5099, 77.4629 looks on a white background.

Color Contrast Check

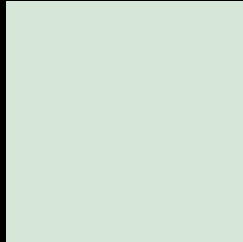
Large Text (above 18pt) WCAG AA × Fail

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 68.9624, 76.5099, 77.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

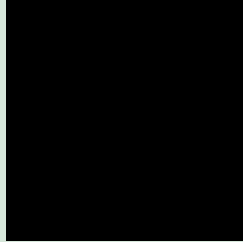
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

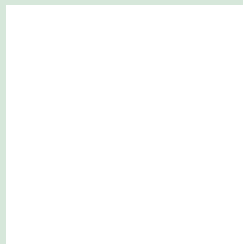
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9624, 76.5099, 77.4629

Background



This preview shows how black text looks on a background with the XYZ color 68.9624, 76.5099, 77.4629.



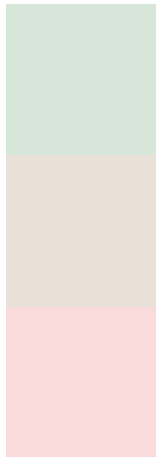
This preview shows how white text looks on a background with the XYZ color 68.9624, 76.5099,

77.4629.

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

68.9624, 76.5099, 77.4629

Protanopia

72.7952, 76.0804, 75.1382

Deuteranopia

77.6741, 76.1543, 78.3155



Tritanopia

72.8640, 76.4362, 97.2995

Trichromacy



Original Color

68.9624, 76.5099, 77.4629

Protanomaly

71.2278, 76.0648, 75.8936

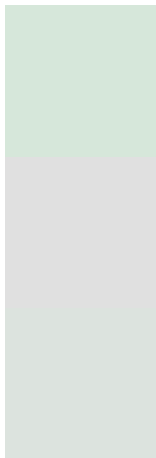
Deuteranomaly

74.0989, 75.8944, 77.7615

Tritanomaly

71.3541, 76.2367, 89.5517

Monochromacy



Original Color

68.9624, 76.5099, 77.4629

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.1691, 75.4277, 79.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9624, 76.5099, 77.4629 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(214, 231, 218) looks like.

```
.text, #text, p{  
    color:rgb(214, 231, 218)  
}
```

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(214, 231, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 231, 218) }
```

Border

The CSS property to change the border of an element to XYZ 68.9624, 76.5099, 77.4629 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(214, 231, 218) }
```


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

```
.border{ border-color:rgb(214, 231, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 231, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 231, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 231, 218);  
box-shadow:4px 4px 4px 4px rgb(214, 231,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9624, 76.5099, 77.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 231, 218) }
```

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

```
.background{ background-color: rgb(214,  
231, 218) }
```

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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