

Converting Colors

XYZ(68.4061, 64.4533, 76.7475)

Have a look what the booklet for
XYZ(68.4061, 64.4533, 76.7475)
contains.

XYZ(68.4976, 64.4804, 76.5459)	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(68.4976, 64.4804,
76.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	EDC8DC
RGB	237, 200, 220
RGB Percent	93%, 78%, 86%
CMY	0.0706, 0.2157, 0.1372
CMYK	0.00, 0.16, 0.07, 0.07
HSL	328°, 51%, 86%
HSV	328°, 16%, 93%
XYZ	68.4976, 64.4804, 76.5459
YIQ	213.3430, 15.6320, 14.0640

Conversions

Conversions Part 2

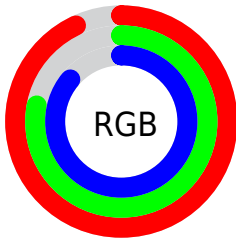
Format	Color
R _Y B	237, 200, 220
Decimal	15583452
CIE Lab	84.22, 16.32, -5.05
CIE LCh	84, 17.081, 342.803
Yxy	64.4804, 0.3269, 0.3077
Android (android.graphics.Color)	4293773532 (0xFFEDC8DC)
YUV	213.3430, 3.2819, 20.7472
Hunter-Lab	80.2997, 11.7404, -0.3086

Details

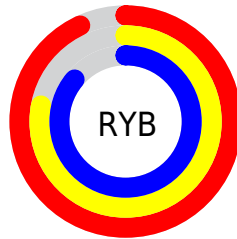
The XYZ color **68.4976, 64.4804, 76.5459** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.6305, 77.8592, 77.1659**, and the grayscale version is **63.4484, 66.7526, 72.6936**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1265, 33.0981, 40.0818** is the 20% darker color. If you saturate the color by 10%, you get **62.0331, 53.7843, 67.5055**, and if you desaturate by 10%, it is **75.9106, 76.9214, 86.3676**.

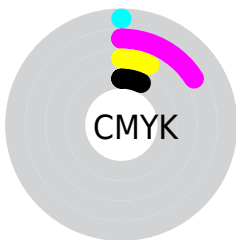
Distribution



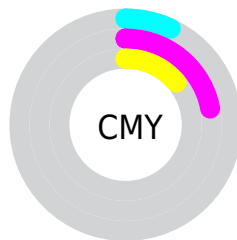
- Red (93%)
- Green (78%)
- Blue (86%)



- Red (93%)
- Yellow (78%)
- Blue (86%)



- Cyan (0%)
- Magenta (16%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4976, 64.4804, 76.5459 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 68.4976, 64.4804, 76.5459 by changing the saturation by 10% instead.

68.4976, 64.4804,
76.5459

68.4976, 64.4804,
76.5459

444.6062,
440.9224, 502.6109

50.5778, 47.0399,
56.3709

116.1017,
111.3025, 130.2654

36.0924, 33.0672,
40.0944

146.5168,
141.4529, 164.6470

24.6760, 22.1779,
27.2978

181.8276,
176.6086, 204.6013

15.9633, 13.9877,
17.5626

222.3996,
217.1542, 250.5467

9.5889, 8.1121,
10.4702

268.5981,
263.4740, 302.9018

5.1874, 4.1668,
5.6022

320.7884,

2.3935, 1.7673,

315.9523, 362.0852

2.5399

379.3360,
374.9737, 428.5154

■ 0.8419, 0.4667,
0.8612

■ 0.0000, 0.0000,
0.0000

■ 68.4976, 64.4804,
76.5459

■ 68.4976, 64.4804,
76.5459

■ 62.0331, 53.7843,
67.5055

■ 75.9106, 76.9214,
86.3676

■ 56.4707, 44.7456,
59.2199

■ 84.3048, 91.1725,
96.9877

■ 51.7682, 37.2823,
51.6669

■ 88.3629, 96.5957,
106.6429

■ 47.8780, 31.3017,
44.8211

■ 88.7354, 96.7447,
108.6045

■ 44.7472, 26.7016,
38.6554

■ 42.3164, 23.3663,
33.1401

■ 40.5168, 21.1613,
28.2419

■ 39.2636, 19.9207,
23.9217

■ 38.8281, 19.5658,
22.1856

Harmonies

Analogous

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



66.3606, 64.4804, 86.6196



68.4976, 64.4804, 76.5459



68.6531, 64.4804, 65.6945

Triad

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



68.4976, 64.4804, 76.5459



59.6897, 64.4804, 51.7987



56.1058, 64.4804, 85.3276

Complementary

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



68.4976, 64.4804, 76.5459



66.6305, 77.8592, 77.1659

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.



54.4670, 64.4804, 74.9241



68.4976, 64.4804, 76.5459



56.4782, 64.4804, 56.0128

Square

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



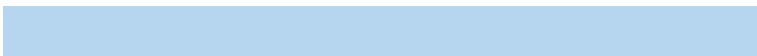
68.4976, 64.4804, 76.5459



63.4614, 64.4804, 52.1368



54.6005, 64.4804, 64.2303



59.1622, 64.4804, 92.0364

Rectangle

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



68.4976, 64.4804, 76.5459



67.6030, 64.4804, 59.5214



54.6005, 64.4804, 64.2303



55.3766, 64.4804, 82.1032

Sweetspot

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



68.4995, 64.4832, 76.5473



90.1875, 91.7616, 102.6964



64.4542, 62.1243, 88.7157



19.1626, 19.4023, 21.7988



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.



68.4995, 64.4832, 76.5473



78.1143, 71.5361, 86.5845



66.2246, 63.5733, 64.5678



15.4059, 15.1902, 17.4230



21.2656, 10.7089, 12.4658



1.7183, 0.8603, 1.2342

Inverse Universe

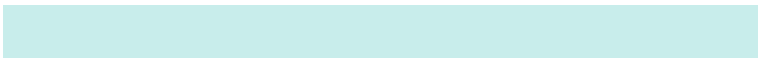
The Inverse Universe completely reimagines the original color for something new.



68.4995, 64.4832, 76.5473



78.1143, 71.5361, 86.5845



69.1227, 78.8561, 90.2896



15.4059, 15.1902, 17.4230



21.2656, 10.7089, 12.4658



1.7183, 0.8603, 1.2342

Previews

White Background



This preview shows how the XYZ color 68.4976, 64.4804, 76.5459 looks on a white background.

Color Contrast Check

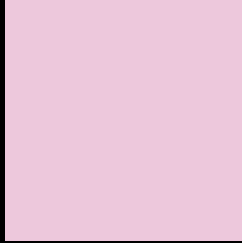
Large Text (above 18pt) WCAG AA × Fail

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 68.4976, 64.4804, 76.5459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

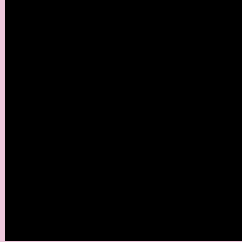
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4976, 64.4804, 76.5459

Background



This preview shows how black text looks on a background with the XYZ color 68.4976, 64.4804, 76.5459.

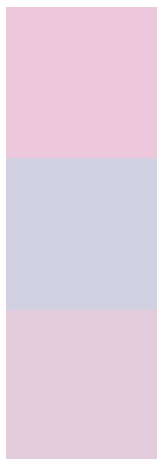


This preview shows how white text looks on a background with the XYZ color 68.4976, 64.4804,

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

68.4976, 64.4804, 76.5459

Protanopia

62.9694, 64.7388, 80.4112

Deuteranopia

66.0576, 64.6311, 76.0113



Tritanopia

67.8734, 64.5640, 73.8505

Trichromacy



Original Color

68.4976, 64.4804, 76.5459

Protanomaly

64.9058, 64.6860, 78.8768

Deuteranomaly

67.0971, 64.8153, 75.9920

Tritanomaly

68.0031, 64.6159, 74.5336

Monochromacy



Original Color

68.4976, 64.4804, 76.5459

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

65.0747, 65.5992, 74.1979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4976, 64.4804, 76.5459 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(237, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(237, 200, 220)  
}
```

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(237, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 200, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.4976, 64.4804, 76.5459 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(237, 200, 220) }
```


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

```
.border{ border-color:rgb(237, 200, 220) }
```

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

Here you see how a box with a 4 pixel rgb(237, 200, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(237, 200,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4976, 64.4804, 76.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 200, 220) }
```

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

```
.background{ background-color: rgb(237,  
200, 220) }
```

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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