

Converting Colors

XYZ(70.0876, 64.6596, 87.8512)

Have a look what the booklet for
XYZ(70.0876, 64.6596, 87.8512)
contains.

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Color

**XYZ(70.1558, 64.7358,
88.1545)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC7EC
RGB	236, 199, 236
RGB Percent	93%, 78%, 93%
CMY	0.0745, 0.2196, 0.0745
CMYK	0.00, 0.16, 0.00, 0.07
HSL	300°, 49%, 85%
HSV	300°, 16%, 93%
XYZ	70.1558, 64.7358, 88.1545
YIQ	214.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

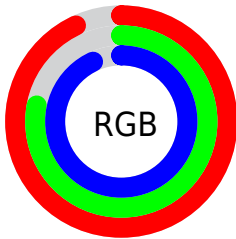
Format	Color
R _Y B	236, 199, 236
Decimal	15517676
CIE Lab	84.35, 19.34, -13.39
CIE LCh	84, 23.521, 325.293
Yxy	64.7358, 0.3145, 0.2902
Android (android.graphics.Color)	4293707756 (0xFFECC7EC)
YUV	214.2810, 10.7075, 19.0476
Hunter-Lab	80.4586, 14.8405, -8.6402

Details

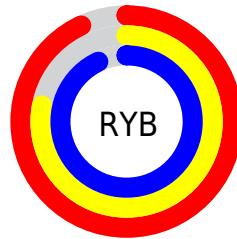
The XYZ color **70.1558, 64.7358, 88.1545** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.8600, 76.2584, 65.3898**, and the grayscale version is **64.0326, 67.3673, 73.3630**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1860, 33.2494, 47.6379** is the 20% darker color. If you saturate the color by 10%, you get **65.1420, 54.7072, 86.4838**, and if you desaturate by 10%, it is **76.0155, 76.4541, 90.1087**.

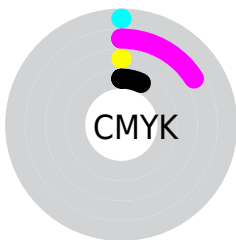
Distribution



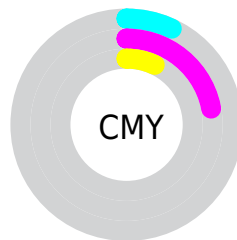
- Red (93%)
- Green (78%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1558, 64.7358, 88.1545 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 70.1558, 64.7358, 88.1545 by changing the saturation by 10% instead.

70.1558, 64.7358,
88.1545

70.1558, 64.7358,
88.1545

450.3547,
441.8419, 542.4235

51.9336, 47.2469,
65.8860

118.4560,
111.6699, 146.6853

37.1762, 33.2309,
47.7239

149.2647,
141.8839, 183.7846

25.5183, 22.3034,
33.2499

184.9996,
177.1084, 226.6646

16.5944, 14.0800,
22.0453

226.0260,
217.7278, 275.7438

10.0392, 8.1763,
13.6915

272.7094,
264.1264, 331.4407

5.4874, 4.2080,
7.7701

325.4151,

2.5737, 1.7906,

316.6887, 394.1739

3.8626

384.5084,
375.7991, 464.3620

■ 0.9326, 0.4813,
1.5503

■ 0.0000, 0.0000,
0.2549

■ 70.1558, 64.7358,
88.1545

■ 70.1558, 64.7358,
88.1545

■ 65.1420, 54.7072,
86.4838

■ 76.0155, 76.4541,
90.1087

■ 60.9296, 46.2825,
85.0795

■ 82.7515, 89.9260,
92.3542

■ 57.4789, 39.3811,
83.9291

■ 85.4932, 95.4094,
93.2682

■ 54.7444, 33.9121,
83.0174

■ 85.4932, 95.4094,
93.2684

52.6757, 29.7748,
82.3277

85.4933, 95.4094,
93.2686

51.2161, 26.8556,
81.8410

85.4933, 95.4094,
93.2688

50.2993, 25.0221,
81.5352

85.4933, 95.4094,
93.2690

49.8436, 24.1107,
81.3832

85.4934, 95.4094,
93.2691

49.7328, 23.8892,
81.3462

85.4934, 95.4095,
93.2693

Harmonies

Analogous

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



65.9186, 64.7358, 99.8041



70.1558, 64.7358, 88.1545



72.0855, 64.7358, 72.8717

Triad

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



70.1558, 64.7358, 88.1545



62.3568, 64.7358, 45.5419



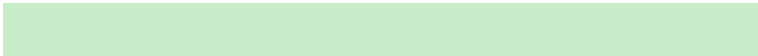
52.8927, 64.7358, 83.4961

Complementary

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



70.1558, 64.7358, 88.1545



63.8600, 76.2584, 65.3898

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.



52.0577, 64.7358, 68.1535



70.1558, 64.7358, 88.1545



57.3396, 64.7358, 47.5582

Square

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



70.1558, 64.7358, 88.1545



67.4236, 64.7358, 49.3961



53.6409, 64.7358, 55.3521



55.9892, 64.7358, 96.8590

Rectangle

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



70.1558, 64.7358, 88.1545



71.7287, 64.7358, 63.1724



53.6409, 64.7358, 55.3521



52.3459, 64.7358, 78.3439

Sweetspot

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



70.1577, 64.7386, 88.1559



91.1166, 92.1332, 107.5888



59.1198, 59.0483, 87.6396



19.3889, 19.4928, 22.9905



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.



70.1577, 64.7386, 88.1559



81.4939, 72.8879, 104.3809



67.6072, 63.7184, 74.7251



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8388



2.1526, 1.0340, 3.5209

Inverse Universe

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



70.1577, 64.7386, 88.1559



81.4939, 72.8879, 104.3809



66.1405, 77.1706, 77.3989



15.7149, 15.3138, 19.0498



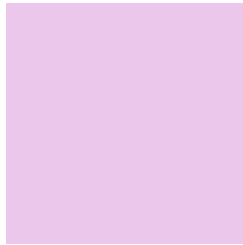
27.4132, 13.1680, 44.8388



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 70.1558, 64.7358, 88.1545 looks on a white background.

Color Contrast Check

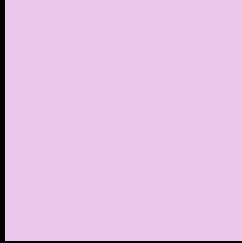
Large Text (above 18pt) WCAG AA × Fail

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 70.1558, 64.7358, 88.1545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

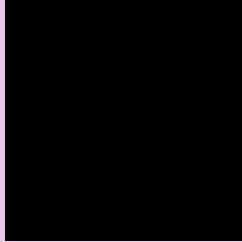
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1558, 64.7358, 88.1545

Background



This preview shows how black text looks on a background with the XYZ color 70.1558, 64.7358, 88.1545.



This preview shows how white text looks on a background with the XYZ color 70.1558, 64.7358,

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

70.1558, 64.7358, 88.1545

Protanopia

64.0043, 64.9909, 93.1755

Deuteranopia

66.3419, 64.8764, 87.6231



Tritanopia

67.3797, 64.6267, 75.2526

Trichromacy



Original Color

70.1558, 64.7358, 88.1545

Protanomaly

65.8784, 64.5528, 91.4259

Deuteranomaly

67.7154, 64.8788, 87.5511

Tritanomaly

68.4089, 64.7020, 80.1173

Monochromacy



Original Color

70.1558, 64.7358, 88.1545

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.1095, 66.4045, 78.4402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1558, 64.7358, 88.1545 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(236, 199, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 199, 236)  
}
```

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(236, 199, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 199, 236) }
```

Border

The CSS property to change the border of an element to XYZ 70.1558, 64.7358, 88.1545 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(236, 199, 236) }
```


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

```
.border{ border-color:rgb(236, 199, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 199, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 199, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 199, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 199,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1558, 64.7358, 88.1545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 199, 236) }
```

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

```
.background{ background-color: rgb(236,  
199, 236) }
```

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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