

Converting Colors

XYZ(70.7434, 66.2699, 80.5702)

Have a look what the booklet for
XYZ(70.7434, 66.2699, 80.5702)
contains.

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Color

**XYZ(70.6463, 66.2026,
80.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	F0CAE1
RGB	240, 202, 225
RGB Percent	94%, 79%, 88%
CMY	0.0588, 0.2078, 0.1176
CMYK	0.00, 0.16, 0.06, 0.06
HSL	324°, 56%, 87%
HSV	324°, 16%, 94%
XYZ	70.6463, 66.2026, 80.2891
YIQ	215.9840, 15.2650, 15.2090

Conversions

Conversions Part 2

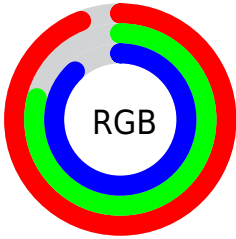
Format	Color
R_{YB}	240, 202, 225
Decimal	15780577
CIE Lab	85.10, 17.14, -6.38
CIE LCh	85, 18.292, 339.594
Yxy	66.2026, 0.3254, 0.3049
Android (android.graphics.Color)	4293970657 (0xFFFF0CAE1)
YUV	215.9840, 4.4449, 21.0620
Hunter-Lab	81.3650, 12.5964, -1.5505

Details

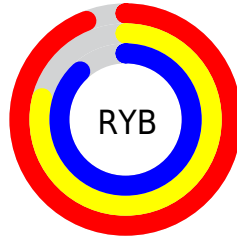
The XYZ color **70.6463, 66.2026, 80.2891** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.0442, 79.8882, 77.4830**, and the grayscale version is **65.2244, 68.6211, 74.7284**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6128, 34.2724, 42.6630** is the 20% darker color. If you saturate the color by 10%, you get **64.1906, 55.3019, 71.9365**, and if you desaturate by 10%, it is **78.0533, 78.8893, 89.3143**.

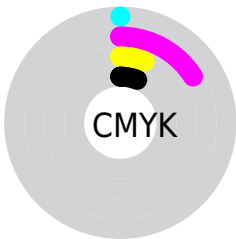
Distribution



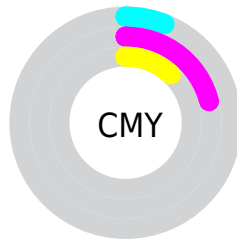
- Red (94%)
- Green (79%)
- Blue (88%)



- Red (94%)
- Yellow (79%)
- Blue (88%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (6%)





- Cyan (6%)
- Magenta (21%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6463, 66.2026, 80.2891 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 70.6463, 66.2026, 80.2891 by changing the saturation by 10% instead.


 70.6463, 66.2026,
80.2891

 70.6463, 66.2026,
80.2891


452.0471,
447.1011, 515.6390

 52.3351, 48.4369,
59.4287


119.1512,
113.7771, 135.5872

 37.4976, 34.1730,
42.5360

150.0756,
144.3546, 170.8620

 25.7684, 23.0265,
29.1926


185.9352,
179.9716, 211.7786

 16.7823, 14.6131,
18.9797

227.0952,
221.0123, 258.7557

 10.1737, 8.5483,
11.4790

273.9211,
267.8612, 312.2117

 5.5774, 4.4478,
6.2718

326.7781,

 2.6281, 1.9270,

320.9027, 372.5653

2.9396

386.0317,
380.5212, 440.2349

■ 0.9603, 0.5646,
1.0639

■ 0.0000, 0.0000,
0.0000

■ 70.6463, 66.2026,
80.2891

■ 70.6463, 66.2026,
80.2891

■ 64.1906, 55.3019,
71.9365

■ 78.0533, 78.8893,
89.3143

■ 58.6390, 46.0972,
64.2326

■ 86.4447, 93.4290,
99.0263

■ 53.9486, 38.5040,
57.1583

■ 89.4931, 97.1645,
107.3221

■ 50.0708, 32.4269,
50.6912

■ 89.7456, 97.2655,
108.6518

■ 46.9518, 27.7602,
44.8074

■ 44.5310, 24.3849,
39.4803

■ 42.7378, 22.1618,
34.6799

■ 41.4852, 20.9191,
30.3704

■ 41.0660, 20.5776,
28.6983

Harmonies

Analogous

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



68.1102, 66.2026, 91.0230



70.6463, 66.2026, 80.2891



71.0646, 66.2026, 68.3670

Triad

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



70.6463, 66.2026, 80.2891



61.6122, 66.2026, 51.9426



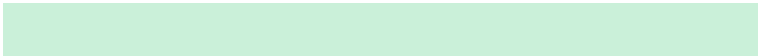
57.0129, 66.2026, 87.5359

Complementary

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



70.6463, 66.2026, 80.2891



68.0442, 79.8882, 77.4830

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.



55.4294, 66.2026, 75.9321



70.6463, 66.2026, 80.2891



58.0072, 66.2026, 55.9721

Square

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



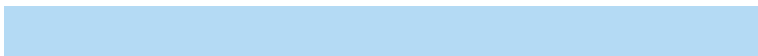
70.6463, 66.2026, 80.2891



65.7271, 66.2026, 52.8373



55.7852, 66.2026, 64.4567



60.2010, 66.2026, 95.5135

Rectangle

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



70.6463, 66.2026, 80.2891



70.0684, 66.2026, 61.4469



55.7852, 66.2026, 64.4567



56.2818, 66.2026, 83.8815

Sweetspot

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



70.6482, 66.2055, 80.2905



90.3167, 91.8132, 103.3765



65.3380, 63.2211, 91.1981



19.1940, 19.4148, 21.9641



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.



70.6482, 66.2055, 80.2905



78.5658, 71.7167, 88.9620



68.2514, 65.2468, 67.6689



16.1746, 15.9196, 18.4757



22.5473, 11.2913, 16.0643



1.9245, 0.9589, 1.5935

Inverse Universe

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



70.6482, 66.2055, 80.2905



78.5658, 71.7167, 88.9620



70.5967, 80.9092, 90.9246



16.1746, 15.9196, 18.4757



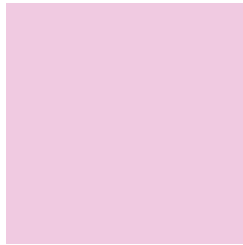
22.5473, 11.2913, 16.0643



1.9245, 0.9589, 1.5935

Previews

White Background



This preview shows how the XYZ color 70.6463, 66.2026, 80.2891 looks on a white background.

Color Contrast Check

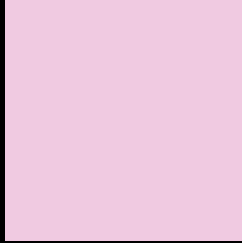
Large Text (above 18pt) WCAG AA × Fail

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 70.6463, 66.2026, 80.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

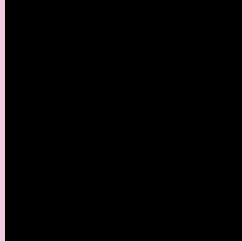
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6463, 66.2026, 80.2891

Background



This preview shows how black text looks on a background with the XYZ color 70.6463, 66.2026, 80.2891.



This preview shows how white text looks on a background with the XYZ color 70.6463, 66.2026,

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

70.6463, 66.2026, 80.2891

Protanopia

64.5820, 66.2069, 84.9767

Deuteranopia

67.5208, 66.0184, 79.7051



Tritanopia

69.7387, 66.1771, 76.1157

Trichromacy



Original Color

70.6463, 66.2026, 80.2891

Protanomaly

66.8229, 66.2985, 83.4037

Deuteranomaly

68.5646, 66.2003, 79.6852

Tritanomaly

70.0037, 66.2831, 77.5109

Monochromacy



Original Color

70.6463, 66.2026, 80.2891

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

67.1318, 67.7106, 76.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6463, 66.2026, 80.2891 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(240, 202, 225) looks like.

```
.text, #text, p{  
    color:rgb(240, 202, 225)  
}
```

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(240, 202, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 202, 225) }
```

Border

The CSS property to change the border of an element to XYZ 70.6463, 66.2026, 80.2891 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(240, 202, 225) }
```


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

```
.border{ border-color:rgb(240, 202, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 202, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 202, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 202, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 202,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6463, 66.2026, 80.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 202, 225) }
```

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

```
.background{ background-color: rgb(240,  
202, 225) }
```

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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