

Converting Colors

XYZ(82.0335, 78.5480, 90.4381)

Have a look what the booklet for
XYZ(82.0335, 78.5480, 90.4381)
contains.

XYZ(81.9735, 78.5025, 90.1889)	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(81.9735, 78.5025,
90.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCEC
RGB	255, 220, 236
RGB Percent	100%, 86%, 93%
CMY	0.0000, 0.1372, 0.0745
CMYK	0.00, 0.14, 0.07, 0.00
HSL	333°, 100%, 93%
HSV	333°, 14%, 100%
XYZ	81.9735, 78.5025, 90.1889
YIQ	232.2890, 15.7240, 12.3960

Conversions

Conversions Part 2

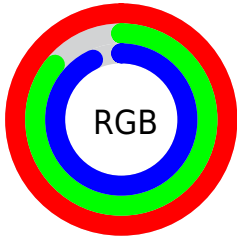
Format	Color
R _Y B	255, 220, 236
Decimal	16768236
CIE Lab	91.01, 14.69, -3.33
CIE LCh	91, 15.064, 347.227
Yxy	78.5025, 0.3270, 0.3132
Android (android.graphics.Color)	4294958316 (0xFFFFDCEC)
YUV	232.2890, 1.8295, 19.9175
Hunter-Lab	88.6016, 10.0939, 1.6690

Details

The XYZ color **81.9735, 78.5025, 90.1889** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.8576, 92.9688, 95.3479**, and the grayscale version is **76.8982, 80.9029, 88.1033**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9821, 42.2113, 48.9568** is the 20% darker color. If you saturate the color by 10%, you get **73.8505, 65.3515, 77.9396**, and if you desaturate by 10%, it is **91.2768, 93.7638, 103.6030**.

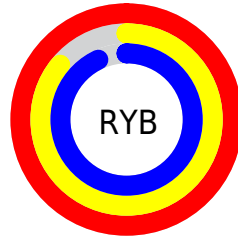
Distribution



Red (100%)

Green (86%)

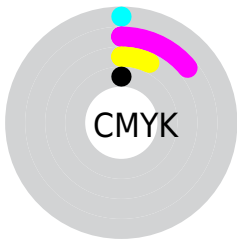
Blue (93%)



Red (100%)

Yellow (86%)

Blue (93%)

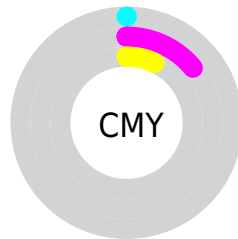


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9735, 78.5025, 90.1889 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 81.9735, 78.5025, 90.1889 by changing the saturation by 10% instead.

 81.9735, 78.5025,
90.1889

 81.9735, 78.5025,
90.1889

490.1949,
489.8717, 549.2311

 61.6577, 58.4869,
67.5627


135.0729,
131.2582, 149.5386

 45.0107, 42.2002,
49.0776


168.5871,
164.7671, 187.0991

 31.6672, 29.2581,
34.3150


207.2317,
203.5426, 230.4749

 21.2617, 19.2761,
22.8564

251.3717,
247.9690, 280.0845

 13.4290, 11.8700,
14.2832

301.3727,
298.4307, 336.3463

 7.8037, 6.6552,
8.1769

357.6000,

 4.0203, 3.2474,

355.3121, 399.6790

4.1190

420.4190,
418.9976, 470.5011

■ 1.7136, 1.2622,
1.6908

■ 0.4648, 0.1117,
0.3544

■ 81.9735, 78.5025,
90.1889

■ 81.9735, 78.5025,
90.1889

■ 73.8505, 65.3515,
77.9396

■ 91.2768, 93.7638,
103.6030

■ 66.8528, 54.2076,
66.8163

95.0500, 100.0000,
108.9000

■ 60.9290, 44.9733,
56.7850

■ 56.0212, 37.5391,
47.8077

■ 52.0659, 31.7842,
39.8438

■ 48.9920, 27.5728,
32.8495

■ 46.7175, 24.7479,
26.7761

■ 45.1429, 23.1178,
21.5682

■ 44.4250, 22.5340,
18.7019

Harmonies

Analogous

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



80.1103, 78.5025, 100.4971



81.9735, 78.5025, 90.1889



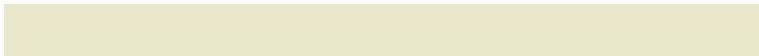
81.8170, 78.5025, 79.4239

Triad

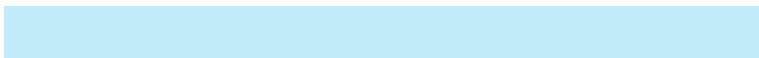
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9735, 78.5025, 90.1889



72.4700, 78.5025, 66.9970



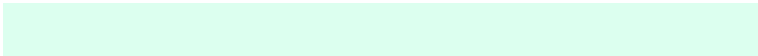
69.7589, 78.5025, 101.7843

Complementary

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



81.9735, 78.5025, 90.1889



80.8576, 92.9688, 95.3479

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.



67.8472, 78.5025, 91.8277



81.9735, 78.5025, 90.1889



69.3755, 78.5025, 72.0314

Square

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



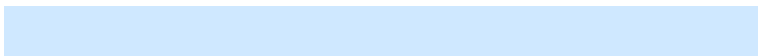
81.9735, 78.5025, 90.1889



76.2423, 78.5025, 66.6397



67.7092, 78.5025, 80.9300



73.0096, 78.5025, 107.5640

Rectangle

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



81.9735, 78.5025, 90.1889



80.5880, 78.5025, 73.4248



67.7092, 78.5025, 80.9300



68.9433, 78.5025, 98.7783

Sweetspot

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



81.9753, 78.5057, 90.1906



91.0030, 93.3123, 103.2158



79.1298, 76.7028, 105.2423



19.3202, 19.7119, 21.8682



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.



81.9753, 78.5057, 90.1906



80.0237, 75.3290, 87.3003



80.0610, 78.2316, 78.5948



18.3547, 18.1252, 20.4849



23.2863, 11.8038, 10.1579



2.3216, 1.1710, 1.2751

Inverse Universe

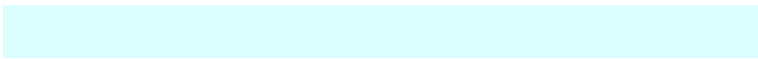
The Inverse Universe completely reimagines the original color for something new.



81.9753, 78.5057, 90.1906



80.0237, 75.3290, 87.3003



82.9560, 93.2146, 108.2277



18.3547, 18.1252, 20.4849



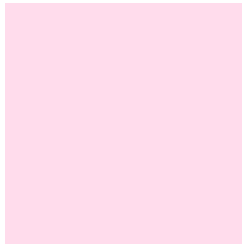
23.2863, 11.8038, 10.1579



2.3216, 1.1710, 1.2751

Previews

White Background



This preview shows how the XYZ color 81.9735, 78.5025, 90.1889 looks on a white background.

Color Contrast Check

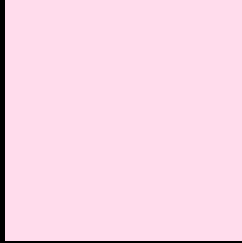
Large Text (above 18pt) WCAG AA × Fail

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 81.9735, 78.5025, 90.1889 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 81.9735, 78.5025, 90.1889

Background



This preview shows how black text looks on a background with the XYZ color 81.9735, 78.5025, 90.1889.



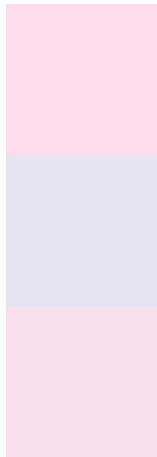
This preview shows how white text looks on a background with the XYZ color 81.9735, 78.5025,

90.1889.

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

81.9735, 78.5025, 90.1889

Protanopia

76.2537, 78.6607, 94.3831

Deuteranopia

80.3285, 78.4384, 90.2632



Tritanopia

82.1193, 78.5608, 90.9564

Trichromacy



Original Color

81.9735, 78.5025, 90.1889

Protanomaly

78.1018, 78.4331, 92.6841

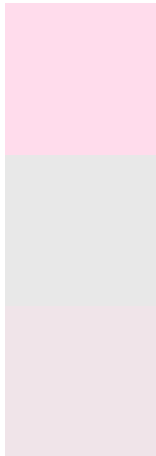
Deuteranomaly

80.7804, 78.2783, 90.2085

Tritanomaly

82.1193, 78.5608, 90.9564

Monochromacy



Original Color

81.9735, 78.5025, 90.1889

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

78.3866, 79.8953, 88.3807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9735, 78.5025, 90.1889 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(255, 220, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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(255, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 236) }
```

Border

The CSS property to change the border of an element to XYZ 81.9735, 78.5025, 90.1889 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(255, 220, 236) }
```


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

```
.border{ border-color:rgb(255, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9735, 78.5025, 90.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 236) }
```

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

```
.background{ background-color: rgb(255,  
220, 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](#).

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