

Converting Colors

XYZ(41.6949, 30.8613, 29.5656)

Have a look what the booklet for
XYZ(41.6949, 30.8613, 29.5656)
contains.

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Color

**XYZ(41.7986, 30.9457,
29.7567)**

Conversions

Conversions Part 1

Format	Color
Hex	DE788F
RGB	222, 120, 143
RGB Percent	87%, 47%, 56%
CMY	0.1294, 0.5294, 0.4392
CMYK	0.00, 0.46, 0.36, 0.13
HSL	346°, 61%, 67%
HSV	346°, 46%, 87%
XYZ	41.7986, 30.9457, 29.7567
YIQ	153.1200, 53.4090, 28.7770

Conversions

Conversions Part 2

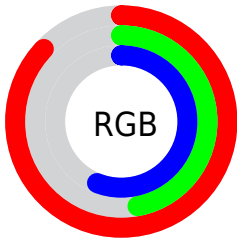
Format	Color
R _Y B	222, 120, 143
Decimal	14579855
CIE Lab	62.46, 42.03, 5.49
CIE LCh	62, 42.388, 7.441
Yxy	30.9457, 0.4078, 0.3019
Android (android.graphics.Color)	4292769935 (0xFFDE788F)
YUV	153.1200, -4.9892, 60.4078
Hunter-Lab	55.6289, 36.7714, 7.2251

Details

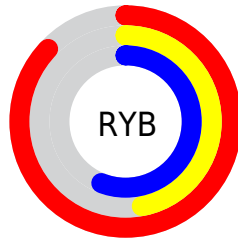
The XYZ color **41.7986, 30.9457, 29.7567** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **44.1773, 60.3599, 63.3584**, and the grayscale version is **30.3361, 31.9160, 34.7565**.

A 20% lighter version of the original color is **66.4541, 55.5633, 60.0456**, and **19.3527, 12.8171, 11.8099** is the 20% darker color. If you saturate the color by 10%, you get **38.2272, 25.7301, 22.6247**, and if you desaturate by 10%, it is **46.1903, 37.4820, 38.1479**.

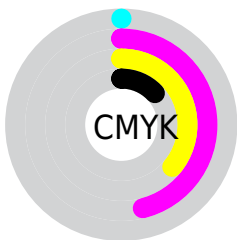
Distribution



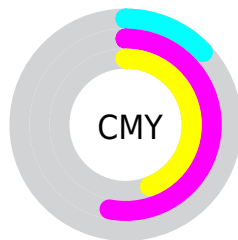
- Red (87%)
- Green (47%)
- Blue (56%)



- Red (87%)
- Yellow (47%)
- Blue (56%)



- Cyan (0%)
- Magenta (46%)
- Yellow (36%)
- Black (13%)





- Cyan (13%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7986, 30.9457, 29.7567 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 41.7986, 30.9457, 29.7567 by changing the saturation by 10% instead.


 41.7986, 30.9457,
29.7567


 41.7986, 30.9457,
29.7567


344.6532,
306.2881, 314.9407


 29.1340, 20.5575,
19.4035


 77.1618, 61.1546,
60.3337

 19.3270, 12.8009,
11.7824


 100.5912, 81.7440,
81.3945

 12.0122, 7.2916,
6.4750


 128.3395,
106.5027, 106.8616

 6.8243, 3.6451,
3.0626

160.7721,
135.8150, 137.1536

 3.3978, 1.4771,
1.1267

198.2545,
170.0653, 172.6889

 1.3674, 0.2725,
0.0000

241.1519,

 0.2329, 0.0000,

209.6380, 213.8862

0.0000

289.8297,
254.9174, 261.1639

■ 0.0000, 0.0000,
0.0000

■ 41.7986, 30.9457,
29.7567

■ 41.7986, 30.9457,
29.7567

■ 38.2272, 25.7301,
22.6247

■ 46.1903, 37.4820,
38.1479

■ 35.4210, 21.7402,
16.6878

■ 51.4473, 45.4161,
47.8541

■ 33.3222, 18.8755,
11.8789


■ 57.6147, 54.8248,
58.9302


■ 31.8631, 17.0178,
8.1230

■ 64.7332, 65.7779,
71.4271

■ 30.9611, 16.0208,
5.3348

■ 72.8414, 78.3408,
85.3932

 30.7010, 15.7603,
4.4472

 81.9755, 92.5748,
100.8745

 83.9342, 94.2696,
108.3798

Harmonies

Analogous

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



40.8540, 30.9457, 47.3645



41.7986, 30.9457, 29.7567



39.0967, 30.9457, 17.8739

Triad

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



41.7986, 30.9457, 29.7567



23.1887, 30.9457, 14.2842



25.3710, 30.9457, 72.2249

Complementary

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



41.7986, 30.9457, 29.7567



44.1773, 60.3599, 63.3584

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.



21.4769, 30.9457, 56.8515



41.7986, 30.9457, 29.7567



20.3362, 30.9457, 22.9459

Square

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



41.7986, 30.9457, 29.7567



28.0037, 30.9457, 11.0354



19.7531, 30.9457, 37.9655



30.8687, 30.9457, 75.8699

Rectangle

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



41.7986, 30.9457, 29.7567



35.7752, 30.9457, 13.4285



19.7531, 30.9457, 37.9655



23.8536, 30.9457, 68.0611

Sweetspot

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



41.7994, 30.9472, 29.7573



80.5632, 77.6450, 83.6664



43.2439, 30.7415, 72.7618



16.8165, 15.9639, 17.1508



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.



41.7994, 30.9472, 29.7573



52.5594, 35.5514, 31.4370



43.9803, 37.8170, 22.7527



13.8332, 13.7509, 14.8916



18.2706, 9.3752, 2.8246



1.3002, 0.6634, 0.3738

Inverse Universe

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



41.7994, 30.9472, 29.7573



52.5594, 35.5514, 31.4370



40.4021, 48.2089, 76.2831



13.8332, 13.7509, 14.8916



18.2706, 9.3752, 2.8246



1.3002, 0.6634, 0.3738

Previews

White Background



This preview shows how the XYZ color 41.7986, 30.9457, 29.7567 looks on a white background.

Color Contrast Check

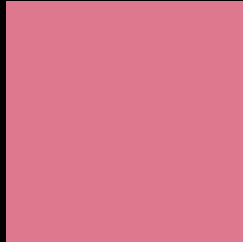
Large Text (above 18pt) WCAG AA × Fail

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 41.7986, 30.9457, 29.7567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

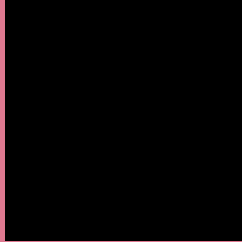
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7986, 30.9457, 29.7567

Background



This preview shows how black text looks on a background with the XYZ color 41.7986, 30.9457, 29.7567.



This preview shows how white text looks on a background with the XYZ color 41.7986, 30.9457,

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

41.7986, 30.9457, 29.7567

Protanopia

30.3607, 31.3467, 37.7080

Deuteranopia

31.7337, 31.0798, 28.7525



Tritanopia

40.8751, 30.9299, 25.2884

Trichromacy



Original Color

41.7986, 30.9457, 29.7567

Protanomaly

33.3423, 30.4364, 34.6893

Deuteranomaly

34.9145, 30.7319, 28.9026

Tritanomaly

41.0293, 30.7962, 26.7034

Monochromacy



Original Color

41.7986, 30.9457, 29.7567

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.3098, 30.6847, 32.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7986, 30.9457, 29.7567 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(222, 120, 143)` looks like.

```
.text, #text, p{  
    color:rgb(222, 120, 143)  
}
```

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(222, 120, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 120, 143) }
```

Border

The CSS property to change the border of an element to XYZ 41.7986, 30.9457, 29.7567 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(222, 120, 143) }
```


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

```
.border{ border-color:rgb(222, 120, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 120, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 120, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 120, 143);  
box-shadow:4px 4px 4px 4px rgb(222, 120,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7986, 30.9457, 29.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 120, 143) }
```

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

```
.background{ background-color: rgb(222,  
120, 143) }
```

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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