

Converting Colors

XYZ(81.5021, 80.6861, 80.3936)

Have a look what the booklet for
XYZ(81.5021, 80.6861, 80.3936)
contains.

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Color

**XYZ(81.6212, 80.9266,
80.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2DE
RGB	255, 226, 222
RGB Percent	100%, 89%, 87%
CMY	0.0000, 0.1137, 0.1294
CMYK	0.00, 0.11, 0.13, 0.00
HSL	7°, 100%, 94%
HSV	7°, 13%, 100%
XYZ	81.6212, 80.9266, 80.4257
YIQ	234.2150, 18.5680, 4.9040

Conversions

Conversions Part 2

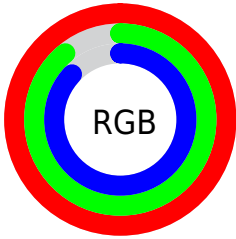
Format	Color
R _Y B	255, 227, 222
Decimal	16769758
CIE Lab	92.10, 9.31, 5.59
CIE LCh	92, 10.857, 30.973
Yxy	80.9266, 0.3359, 0.3331
Android (android.graphics.Color)	4294959838 (0xFFFFE2DE)
YUV	234.2150, -6.0220, 18.2284
Hunter-Lab	89.9592, 4.5268, 9.9648

Details

The XYZ color **81.6212, 80.9266, 80.4257** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.6705, 91.7414, 107.9584**, and the grayscale version is **78.4055, 82.4887, 89.8302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8267, 43.9216, 42.6743** is the 20% darker color. If you saturate the color by 10%, you get **72.7590, 68.2644, 61.8659**, and if you desaturate by 10%, it is **91.8001, 95.3945, 101.9766**.

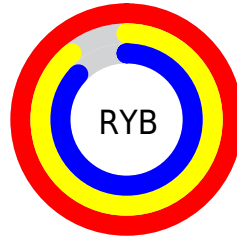
Distribution



Red (100%)

Green (89%)

Blue (87%)



Red (100%)

Yellow (89%)

Blue (87%)

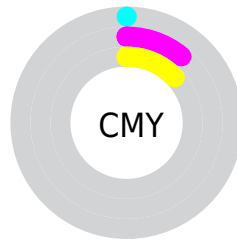


Cyan (0%)

Magenta (11%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6212, 80.9266, 80.4257 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 81.6212, 80.9266, 80.4257 by changing the saturation by 10% instead.

 81.6212, 80.9266,
80.4257

 81.6212, 80.9266,
80.4257


489.0335,
498.0501, 516.1109

 61.3664, 60.4811,
59.5405


134.5813,
134.6677, 135.7809

 44.7746, 43.8066,
42.6255


168.0172,
168.7321, 171.0879

 31.4804, 30.5185,
29.2622


206.5776,
208.1050, 212.0394

 21.1186, 20.2325,
19.0319

250.6278,
253.1708, 259.0537

 13.3237, 12.5641,
11.5163

300.5331,
304.3137, 312.5495

 7.7303, 7.1291,
6.2967

356.6589,

 3.9732, 3.5430,

361.9184, 372.9452

2.9546

419.3706,
426.3690, 440.6595

■ 1.6870, 1.4213,
1.0715

■ 0.4481, 0.2324,
0.0000

■ 81.6212, 80.9266,
80.4257

■ 81.6212, 80.9266,
80.4257

■ 72.7590, 68.2644,
61.8659

■ 91.8001, 95.3945,
101.9766

■ 65.1544, 57.3274,
46.1601

95.0500, 100.0000,
108.9000

■ 58.7516, 48.0437,
33.1681

■ 53.4886, 40.3327,
22.7356

■ 49.2978, 34.1069,
14.6931

■ 46.1045, 29.2702,
8.8502

■ 43.8237, 25.7150,
4.9878

■ 42.3562, 23.3177,
2.8407

■ 41.7285, 22.2371,
2.0928

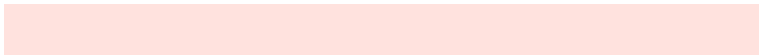
Harmonies

Analogous

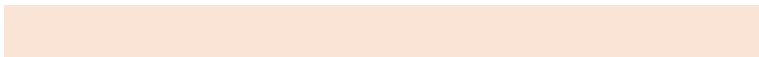
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4206, 80.9266, 87.8541



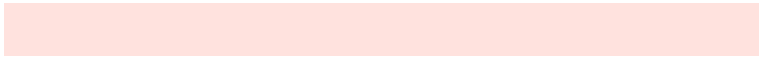
81.6212, 80.9266, 80.4257



79.5569, 80.9266, 75.3248

Triad

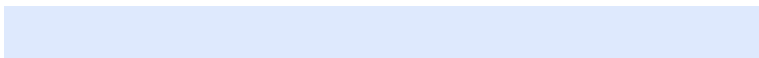
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6212, 80.9266, 80.4257



72.3120, 80.9266, 80.8526



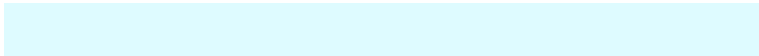
77.0096, 80.9266, 104.4262

Complementary

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



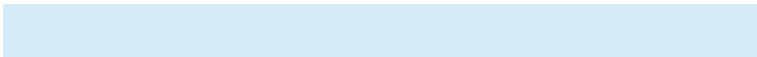
81.6212, 80.9266, 80.4257



82.6705, 91.7414, 107.9584

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.



74.3387, 80.9266, 102.2775



81.6212, 80.9266, 80.4257



71.6665, 80.9266, 88.3771

Square

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



81.6212, 80.9266, 80.4257



74.1842, 80.9266, 75.5606



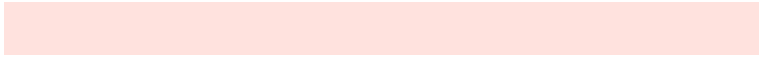
72.3996, 80.9266, 96.2801



79.7187, 80.9266, 101.9889

Rectangle

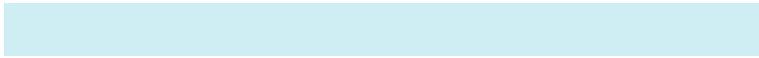
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



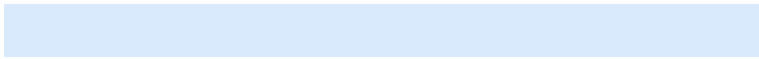
81.6212, 80.9266, 80.4257



77.7650, 80.9266, 73.7653



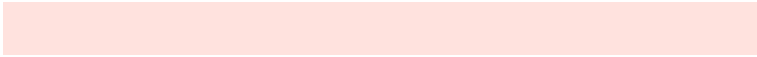
72.3996, 80.9266, 96.2801



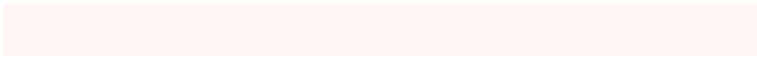
76.0778, 80.9266, 104.2152

Sweetspot

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



81.6230, 80.9300, 80.4274



90.6582, 93.7749, 99.5484



84.7980, 80.4779, 102.4554



19.2330, 19.8282, 20.9429



0.0000, 0.0000, 0.0000



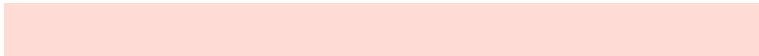
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6230, 80.9300, 80.4274



78.7741, 76.8672, 74.4373



86.2816, 90.2472, 81.9803



18.1869, 18.3420, 18.7261



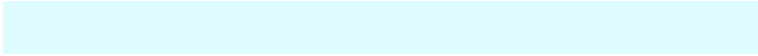
21.8593, 11.7299, 1.1120



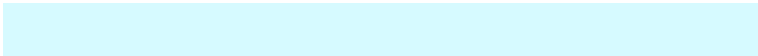
2.1821, 1.2496, 0.1262

Inverse Universe

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



82.6705, 91.7414, 107.9584



80.0408, 89.9478, 107.7508



77.7832, 81.9668, 106.3293



18.3557, 20.0829, 23.1589



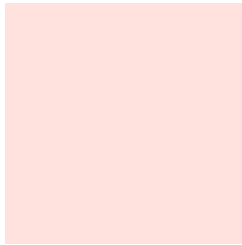
23.4418, 31.7932, 54.3358



2.3332, 3.1970, 5.3074

Previews

White Background



This preview shows how the XYZ color 81.6212, 80.9266, 80.4257 looks on a white background.

Color Contrast Check

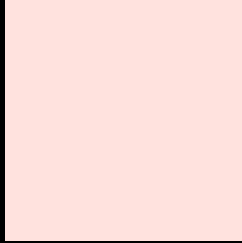
Large Text (above 18pt) WCAG AA × Fail

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 81.6212, 80.9266, 80.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

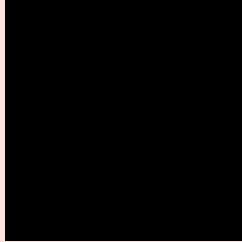
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

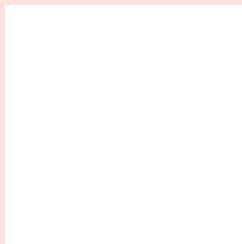
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6212, 80.9266, 80.4257

Background



This preview shows how black text looks on a background with the XYZ color 81.6212, 80.9266, 80.4257.



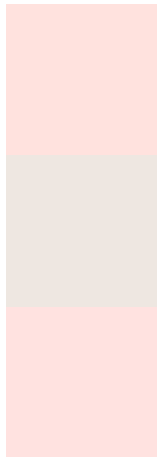
This preview shows how white text looks on a background with the XYZ color 81.6212, 80.9266,

80.4257.

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

81.6212, 80.9266, 80.4257

Protanopia

77.4264, 80.7652, 82.7426

Deuteranopia

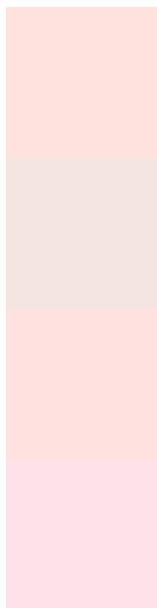
81.8909, 81.0345, 81.8461



Tritanopia

83.6238, 80.8626, 93.6387

Trichromacy



Original Color

81.6212, 80.9266, 80.4257

Protanomaly

78.7821, 80.6535, 81.9364

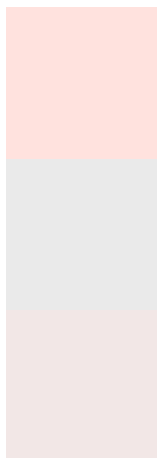
Deuteranomaly

81.7556, 80.9804, 81.1338

Tritanomaly

82.8732, 80.9936, 88.3562

Monochromacy



Original Color

81.6212, 80.9266, 80.4257

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.4768, 81.7422, 86.4519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6212, 80.9266, 80.4257 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, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 222)  
}
```

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, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 222) }
```

Border

The CSS property to change the border of an element to XYZ 81.6212, 80.9266, 80.4257 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, 226, 222) }
```


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

```
.border{ border-color:rgb(255, 226, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6212, 80.9266, 80.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 222) }
```

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

```
.background{ background-color: rgb(255,  
226, 222) }
```

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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