

Converting Colors

XYZ(72.6910, 80.4980, 84.9331)

Have a look what the booklet for
XYZ(72.6910, 80.4980, 84.9331)
contains.

XYZ(72.6143, 80.3441, 85.0796)	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(72.6143, 80.3441,
85.0796)**

Conversions

Conversions Part 1

Format	Color
Hex	D9ECE4
RGB	217, 236, 228
RGB Percent	85%, 93%, 89%
CMY	0.1490, 0.0745, 0.1059
CMYK	0.08, 0.00, 0.03, 0.07
HSL	155°, 33%, 89%
HSV	155°, 8%, 93%
XYZ	72.6143, 80.3441, 85.0796
YIQ	229.4070, -8.7560, -6.5160

Conversions

Conversions Part 2

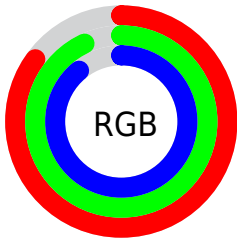
Format	Color
R _Y B	217, 229, 236
Decimal	14281956
CIE Lab	91.84, -7.74, 1.72
CIE LCh	92, 7.926, 167.487
Yxy	80.3441, 0.3051, 0.3375
Android (android.graphics.Color)	4292472036 (0xFFD9ECE4)
YUV	229.4070, -0.6937, -10.8809
Hunter-Lab	89.6349, -12.2560, 6.4675

Details

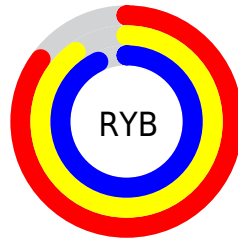
The XYZ color **72.6143, 80.3441, 85.0796** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9984, 72.8968, 81.4609**, and the grayscale version is **74.7874, 78.6821, 85.6849**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7644, 43.3410, 45.8577** is the 20% darker color. If you saturate the color by 10%, you get **64.7547, 76.4495, 77.7156**, and if you desaturate by 10%, it is **81.5609, 84.7944, 92.9120**.

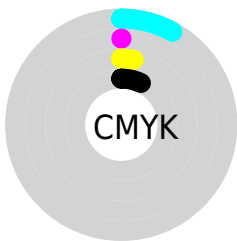
Distribution



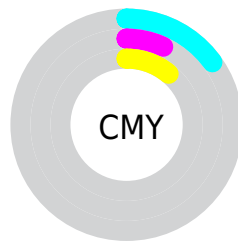
- Red (85%)
- Green (93%)
- Blue (89%)



- Red (85%)
- Yellow (90%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6143, 80.3441, 85.0796 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 72.6143, 80.3441, 85.0796 by changing the saturation by 10% instead.

■ 72.6143, 80.3441,
85.0796

■ 72.6143, 80.3441,
85.0796

458.8015,
496.0917, 532.0429

■ 53.9479, 60.0016,
63.3566

121.9356,
133.8494, 142.3595

■ 38.7905, 43.4199,
45.6869

153.3212,
167.7810, 178.7536

■ 26.7768, 30.2147,
31.6520

189.6772,
207.0110, 220.8751

■ 17.5414, 20.0016,
20.8332

231.3691,
251.9238, 269.1425

■ 10.7189, 12.3962,
12.8121

278.7620,
302.9040, 323.9745

■ 5.9440, 7.0141,
7.1701

332.2215,

■ 2.8514, 3.4709,

360.3357, 385.7895

3.4886

392.1129,
424.6035, 455.0061

■ 1.0757, 1.3823,
1.3492

■ 0.0046, 0.2036,
0.1016

■ 72.6143, 80.3441,
85.0796

■ 72.6143, 80.3441,
85.0796

■ 64.7547, 76.4495,
77.7156

■ 81.5609, 84.7944,
92.9120

■ 57.9317, 73.0780,
70.8057

■ 88.1618, 88.0240,
101.0538

■ 52.1008, 70.2090,
64.3425

■ 89.2870, 88.4740,
106.9790

■ 47.2115, 67.8168,
58.3162

■ 43.2089, 65.8732,
52.7170

■ 40.0318, 64.3467,
47.5342

■ 37.6110, 63.2020,
42.7566

■ 35.8651, 62.3972,
38.3722

■ 34.6816, 61.8745,
34.3673

Harmonies

Analogous

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



73.5213, 80.3441, 80.1369



72.6143, 80.3441, 85.0796



72.6992, 80.3441, 90.8860

Triad

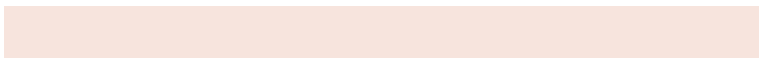
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6143, 80.3441, 85.0796



77.5445, 80.3441, 98.5910



79.0349, 80.3441, 79.4910

Complementary

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



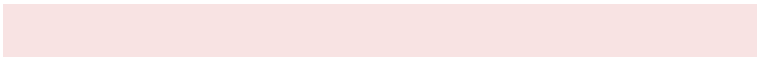
72.6143, 80.3441, 85.0796



72.9984, 72.8968, 81.4609

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.



80.1513, 80.3441, 84.1622



72.6143, 80.3441, 85.0796



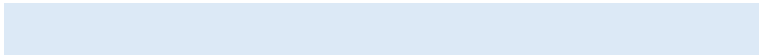
79.2804, 80.3441, 95.2607

Square

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



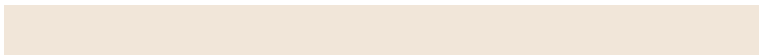
72.6143, 80.3441, 85.0796



75.5215, 80.3441, 98.8634



80.2420, 80.3441, 89.9273



77.2141, 80.3441, 77.0077

Rectangle

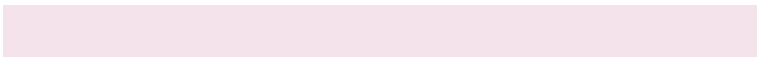
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



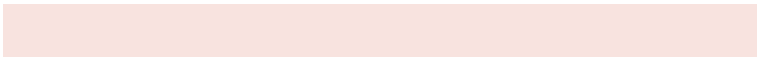
72.6143, 80.3441, 85.0796



73.3068, 80.3441, 94.4676



80.2420, 80.3441, 89.9273



79.5064, 80.3441, 80.8478

Sweetspot

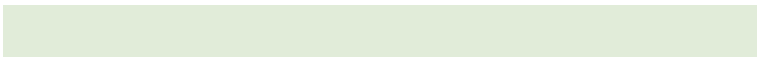
The Sweet Spot groups the original color and five complimentary colors.



72.6166, 80.3475, 85.0814



92.8546, 98.9079, 107.0022



73.6467, 81.0495, 77.4092



19.8977, 21.1818, 22.9229



0.0000, 0.0000, 0.0000



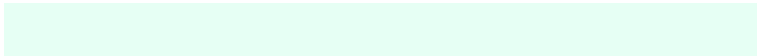
20.3446, 21.4041, 23.3091

Same Dimension

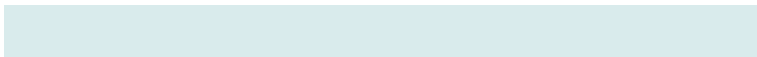
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6166, 80.3475, 85.0814



84.6016, 94.8079, 99.6362



73.3903, 80.0754, 90.9490



15.2339, 17.0084, 17.9145



19.0735, 34.0839, 18.8841



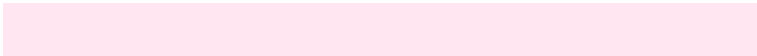
1.5456, 2.6956, 1.7349

Inverse Universe

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



72.9984, 72.8968, 81.4609



85.1617, 83.8812, 94.3270



72.2595, 73.1258, 75.9529



15.3287, 15.1593, 17.0160



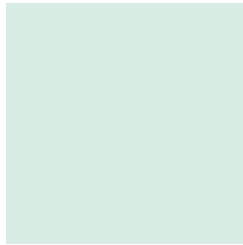
20.3810, 10.3551, 7.8079



1.6475, 0.8320, 0.8611

Previews

White Background



This preview shows how the XYZ color 72.6143, 80.3441, 85.0796 looks on a white background.

Color Contrast Check

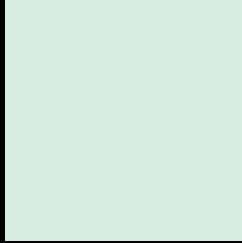
Large Text (above 18pt) WCAG AA × Fail

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 72.6143, 80.3441, 85.0796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

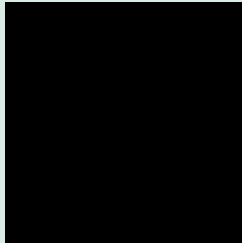
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

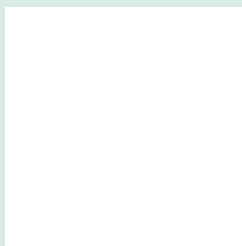
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6143, 80.3441, 85.0796

Background



This preview shows how black text looks on a background with the XYZ color 72.6143, 80.3441, 85.0796.



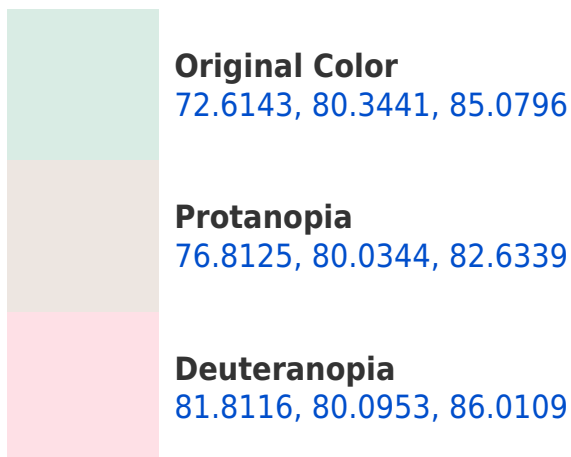
This preview shows how white text looks on a background with the XYZ color 72.6143, 80.3441,

85.0796.

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

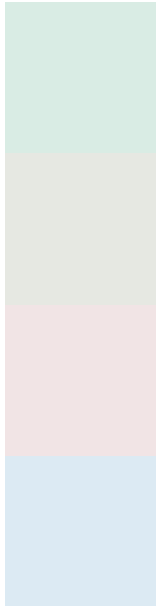




Tritanopia

76.3703, 80.6150, 102.8019

Trichromacy



Original Color

72.6143, 80.3441, 85.0796

Protanomaly

75.2172, 80.0272, 83.4339

Deuteranomaly

78.1619, 79.8447, 85.4207

Tritanomaly

75.1157, 80.5323, 96.3793

Monochromacy



Original Color

72.6143, 80.3441, 85.0796

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.0508, 79.3779, 85.5473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6143, 80.3441, 85.0796 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(217, 236, 228)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 228)  
}
```

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(217, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 72.6143, 80.3441, 85.0796 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(217, 236, 228) }
```


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

```
.border{ border-color:rgb(217, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(217, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6143, 80.3441, 85.0796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 228) }
```

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

```
.background{ background-color: rgb(217,  
236, 228) }
```

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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