

Converting Colors

XYZ(72.6314, 80.3362, 76.4062)

Have a look what the booklet for
XYZ(72.6314, 80.3362, 76.4062)
contains.

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Color

**XYZ(72.8215, 80.6367,
76.6921)**

Conversions

Conversions Part 1

Format	Color
Hex	DFECD8
RGB	223, 236, 216
RGB Percent	87%, 93%, 85%
CMY	0.1255, 0.0745, 0.1529
CMYK	0.06, 0.00, 0.08, 0.07
HSL	99°, 34%, 89%
HSV	99°, 8%, 93%
XYZ	72.8215, 80.6367, 76.6921
YIQ	229.8330, -1.3280, -8.9760

Conversions

Conversions Part 2

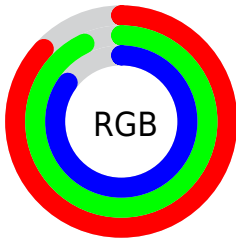
Format	Color
R _Y B	216, 236, 229
Decimal	14675160
CIE Lab	91.97, -7.87, 8.21
CIE LCh	92, 11.368, 133.788
Yxy	80.6367, 0.3164, 0.3504
Android (android.graphics.Color)	4292865240 (0xFFDFECD8)
YUV	229.8330, -6.8197, -5.9925
Hunter-Lab	89.7979, -12.3921, 12.2218

Details

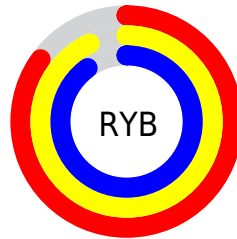
The XYZ color **72.8215, 80.6367, 76.6921** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.0125, 71.8281, 89.4298**, and the grayscale version is **75.1417, 79.0549, 86.0908**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9027, 43.5406, 40.0720** is the 20% darker color. If you saturate the color by 10%, you get **65.4725, 77.1781, 61.5487**, and if you desaturate by 10%, it is **81.0416, 84.4984, 94.1672**.

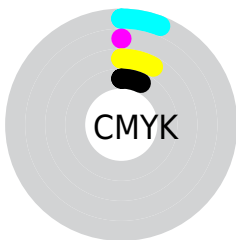
Distribution



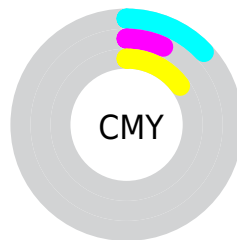
- Red (87%)
- Green (93%)
- Blue (85%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8215, 80.6367, 76.6921 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 72.8215, 80.6367, 76.6921 by changing the saturation by 10% instead.

72.8215, 80.6367,
76.6921

72.8215, 80.6367,
76.6921

459.5093,
497.0760, 503.1234

54.1179, 60.2424,
56.4902

122.2283,
134.2605, 130.4738

38.9270, 43.6141,
40.1894

153.6621,
168.2589, 164.8906

26.8834, 30.3672,
27.3713

190.0701,
207.5607, 204.8828

17.6218, 20.1175,
17.6174

231.8176,
252.5504, 250.8689

10.7768, 12.4805,
10.5091

279.2699,
303.6124, 303.2675

5.9832, 7.0718,
5.6278

332.7923,

2.8754, 3.5070,

361.1311, 362.4971

2.5550

392.7504,
425.4908, 428.9762

■ 1.0882, 1.4018,
0.8691

■ 0.0152, 0.2181,
0.0000

■ 72.8215, 80.6367,
76.6921

■ 72.8215, 80.6367,
76.6921

■ 65.4725, 77.1781,
61.5487

■ 81.0416, 84.4984,
94.1672

■ 58.9581, 74.0989,
48.6332

■ 88.8054, 88.2257,
106.9565

■ 53.2487, 71.3886,
37.8419

■ 89.2870, 88.4740,
106.9790

■ 48.3105, 69.0321,
29.0608

■ 44.1070, 67.0133,
22.1652

■ 40.5982, 65.3148,
17.0165

■ 37.7399, 63.9172,
13.4568

■ 35.4816, 62.7983,
11.3001

■ 33.7556, 61.9294,
10.2778

Harmonies

Analogous

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



75.3119, 80.6367, 73.0861



72.8215, 80.6367, 76.6921



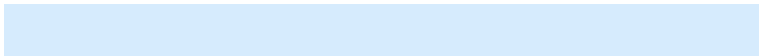
71.3751, 80.6367, 83.3850

Triad

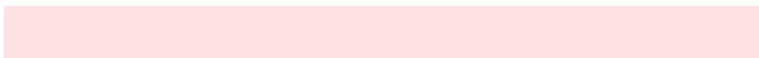
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8215, 80.6367, 76.6921



75.0854, 80.6367, 104.1687



82.2278, 80.6367, 84.0215

Complementary

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



72.8215, 80.6367, 76.6921



72.0125, 71.8281, 89.4298

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.



82.1634, 80.6367, 92.3674



72.8215, 80.6367, 76.6921



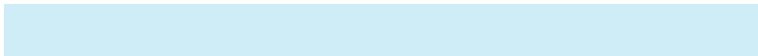
77.9892, 80.6367, 104.3662

Square

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



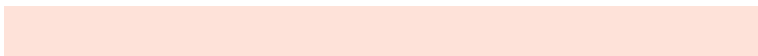
72.8215, 80.6367, 76.6921



72.6593, 80.6367, 99.4076



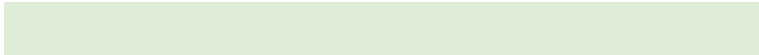
80.5954, 80.6367, 99.9310



80.7692, 80.6367, 77.1325

Rectangle

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



72.8215, 80.6367, 76.6921



71.1740, 80.6367, 88.8667



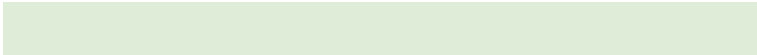
80.5954, 80.6367, 99.9310



82.3847, 80.6367, 86.7412

Sweetspot

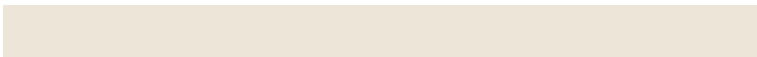
The Sweet Spot groups the original color and five complimentary colors.



72.8237, 80.6402, 76.6939



92.0365, 98.5860, 102.4573



75.0093, 78.8327, 76.2298



19.5307, 21.0221, 21.5709



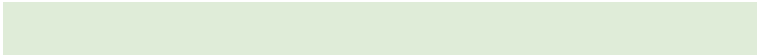
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.8237, 80.6402, 76.6939



85.3748, 95.4555, 88.4203



71.1029, 79.7078, 78.6571



15.3655, 17.1184, 16.0131



18.6064, 34.1364, 5.6083



1.5618, 2.7325, 0.4451

Inverse Universe

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



72.0125, 71.8281, 89.4298



84.2411, 83.1426, 106.2159



73.8589, 72.8299, 87.2593



15.1736, 15.0348, 19.0245



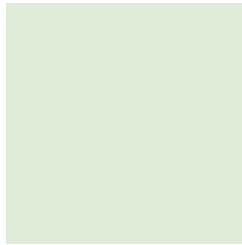
15.7761, 7.1688, 44.2952



1.3421, 0.6162, 3.4831

Previews

White Background



This preview shows how the XYZ color 72.8215, 80.6367, 76.6921 looks on a white background.

Color Contrast Check

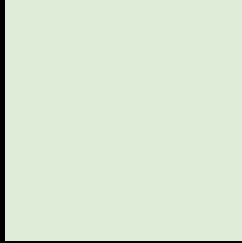
Large Text (above 18pt) WCAG AA × Fail

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 72.8215, 80.6367, 76.6921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

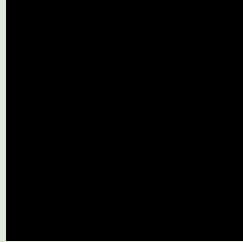
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

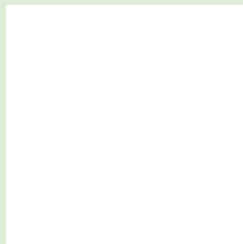
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8215, 80.6367, 76.6921

Background



This preview shows how black text looks on a background with the XYZ color 72.8215, 80.6367, 76.6921.

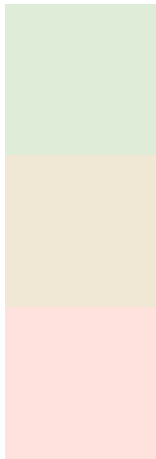


This preview shows how white text looks on a background with the XYZ color 72.8215, 80.6367,

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

72.8215, 80.6367, 76.6921

Protanopia

76.5213, 80.4812, 74.4521

Deuteranopia

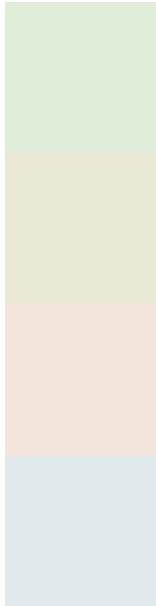
81.2164, 80.3309, 79.6315



Tritanopia

77.6697, 80.4854, 101.0641

Trichromacy



Original Color

72.8215, 80.6367, 76.6921

Protanomaly

75.2082, 80.6253, 75.2167

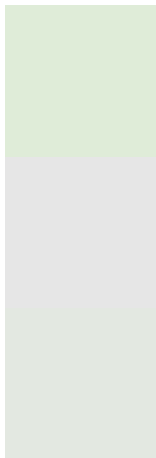
Deuteranomaly

77.7676, 80.2078, 78.4007

Tritanomaly

75.7890, 80.5610, 91.6761

Monochromacy



Original Color

72.8215, 80.6367, 76.6921

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.1258, 79.4804, 82.6686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8215, 80.6367, 76.6921 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(223, 236, 216) looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 216)  
}
```

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(223, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 216) }
```

Border

The CSS property to change the border of an element to XYZ 72.8215, 80.6367, 76.6921 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(223, 236, 216) }
```


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

```
.border{ border-color:rgb(223, 236, 216) }
```

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

Here you see how a box with a 4 pixel rgb(223, 236, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 236, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 236, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 236,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8215, 80.6367, 76.6921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 216) }
```

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

```
.background{ background-color: rgb(223,  
236, 216) }
```

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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