

Converting Colors

XYZ(66.8133, 69.2040, 81.9935)

Have a look what the booklet for
XYZ(66.8133, 69.2040, 81.9935)
contains.

XYZ(66.8986, 69.3544, 81.8123)	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(66.8986, 69.3544,
81.8123)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D8E2
RGB	217, 216, 226
RGB Percent	85%, 85%, 89%
CMY	0.1490, 0.1529, 0.1137
CMYK	0.04, 0.04, 0.00, 0.11
HSL	246°, 15%, 87%
HSV	246°, 4%, 89%
XYZ	66.8986, 69.3544, 81.8123
YIQ	217.4390, -2.6140, 3.3220

Conversions

Conversions Part 2

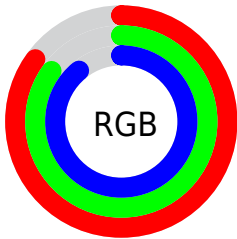
Format	Color
RYP	217, 216, 226
Decimal	14276834
CIELab	86.68, 2.18, -4.79
CIElCh	87, 5.263, 294.480
Yxy	69.3544, 0.3068, 0.3180
Android (android.graphics.Color)	4292466914 (0xFFD9D8E2)
YUV	217.4390, 4.2206, -0.3850
Hunter-Lab	83.2793, -2.3490, 0.0499

Details

The XYZ color **66.8986, 69.3544, 81.8123** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6449, 75.3600, 75.7917**, and the grayscale version is **66.2294, 69.6785, 75.8799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9958, 36.1114, 43.6538** is the 20% darker color. If you saturate the color by 10%, you get **55.8229, 55.6340, 79.7488**, and if you desaturate by 10%, it is **79.5203, 85.0577, 84.1792**.

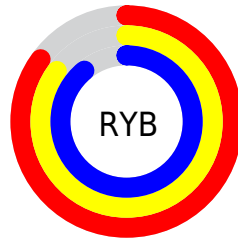
Distribution



Red (85%)

Green (85%)

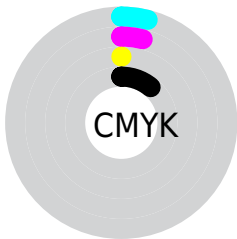
Blue (89%)



Red (85%)

Yellow (85%)

Blue (89%)

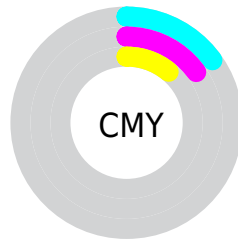


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (15%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8986, 69.3544, 81.8123 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 66.8986, 69.3544, 81.8123 by changing the saturation by 10% instead.

■ 66.8986, 69.3544,
81.8123

■ 66.8986, 69.3544,
81.8123

439.0219,
458.2799, 520.8866

■ 49.2726, 51.0004,
60.6759

113.8257,
118.2876, 137.7451

■ 35.0512, 36.2089,
43.5348

143.8575,
149.6356, 173.3785

■ 23.8690, 24.5956,
29.9705

178.7554,
186.0837, 214.6815

■ 15.3607, 15.7760,
19.5643

218.8845,
228.0164, 262.0723

■ 9.1609, 9.3658,
11.8978

264.6104,
275.8179, 315.9698

■ 4.9042, 4.9805,
6.5524

316.2984,

■ 2.2254, 2.2358,

329.8728, 376.7923

3.1096

374.3138,
390.5653, 444.9583

■ 0.7561, 0.7394,
1.1509

■ 0.0000, 0.0000,
0.0000

■ 66.8986, 69.3544,
81.8123

■ 66.8986, 69.3544,
81.8123

■ 55.8229, 55.6340,
79.7488

■ 79.5203, 85.0577,
84.1792

■ 46.2279, 43.8092,
77.9721

■ 90.7277, 98.2711,
86.1389

■ 38.0525, 33.7992,
76.4709

■ 31.2288, 25.5138,
75.2313

■ 25.6838, 18.8554,
74.2383

■ 21.3371, 13.7164,
73.4755

■ 18.0993, 9.9762,
72.9242

■ 15.8682, 7.4957,
72.5630

■ 14.5223, 6.1069,
72.3659

Harmonies

Analogous

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



65.6933, 69.3544, 82.4195



66.8986, 69.3544, 81.8123



67.8520, 69.3544, 79.4962

Triad

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



66.8986, 69.3544, 81.8123



67.2951, 69.3544, 70.1648



63.6060, 69.3544, 74.8691

Complementary

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



66.8986, 69.3544, 81.8123



70.6449, 75.3600, 75.7917

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.



64.0236, 69.3544, 71.6693



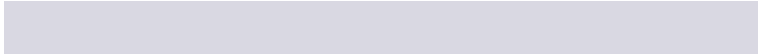
66.8986, 69.3544, 81.8123



66.1458, 69.3544, 69.0076

Square

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



66.8986, 69.3544, 81.8123



68.0829, 69.3544, 72.7585



64.9496, 69.3544, 69.5497



63.8020, 69.3544, 78.3406

Rectangle

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



66.8986, 69.3544, 81.8123



68.2113, 69.3544, 77.3317



64.9496, 69.3544, 69.5497



63.6791, 69.3544, 73.7273

Sweetspot

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



66.9006, 69.3574, 81.8138



93.4023, 97.9510, 108.5913



69.0188, 74.0323, 82.6045



20.0093, 20.9871, 23.2463



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.



66.9006, 69.3574, 81.8138



87.0189, 90.0207, 107.3971



68.3589, 70.1091, 81.8821



13.9956, 14.4458, 17.4384



8.0725, 3.2568, 41.2515



0.6033, 0.2483, 2.8614

Inverse Universe

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



69.5129, 70.7198, 81.2241



90.9126, 92.0516, 106.5145



69.1588, 74.5938, 75.7222



14.7054, 14.8160, 17.2768



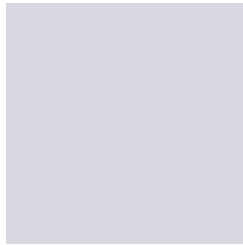
24.0999, 11.7070, 33.5213



1.6878, 0.8184, 2.4145

Previews

White Background



This preview shows how the XYZ color 66.8986, 69.3544, 81.8123 looks on a white background.

Color Contrast Check

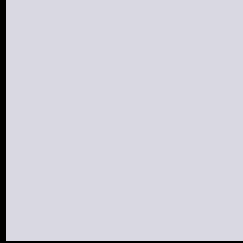
Large Text (above 18pt) WCAG AA × Fail

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 66.8986, 69.3544, 81.8123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

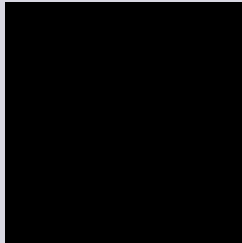
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

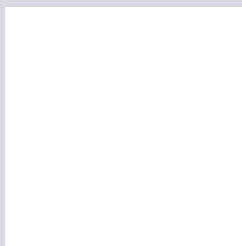
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8986, 69.3544, 81.8123

Background



This preview shows how black text looks on a background with the XYZ color 66.8986, 69.3544, 81.8123.



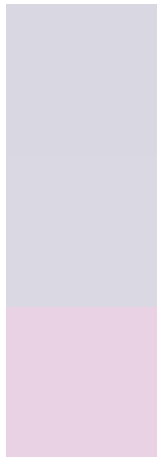
This preview shows how white text looks on a background with the XYZ color 66.8986, 69.3544,

81.8123.

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

66.8986, 69.3544, 81.8123

Protanopia

67.1968, 69.5081, 81.8263

Deuteranopia

70.5160, 68.9629, 82.2676



Tritanopia

67.7794, 69.3325, 86.1541

Trichromacy



Original Color

66.8986, 69.3544, 81.8123

Protanomaly

67.1968, 69.5081, 81.8263

Deuteranomaly

69.0872, 68.9639, 82.3431

Tritanomaly

67.4968, 69.2195, 84.6661

Monochromacy



Original Color

66.8986, 69.3544, 81.8123

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.3464, 69.5447, 77.6368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8986, 69.3544, 81.8123 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, 216, 226) looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 226)  
}
```

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, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 226) }
```

Border

The CSS property to change the border of an element to XYZ 66.8986, 69.3544, 81.8123 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, 216, 226) }
```


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

```
.border{ border-color:rgb(217, 216, 226) }
```

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

Here you see how a box with a 4 pixel rgb(217, 216, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8986, 69.3544, 81.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 226) }
```

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

```
.background{ background-color: rgb(217,  
216, 226) }
```

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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