

Converting Colors

XYZ(64.4975, 69.6565, 81.9972)

Have a look what the booklet for
XYZ(64.4975, 69.6565, 81.9972)
contains.

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Color

**XYZ(64.4975, 69.6565,
81.9972)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDCE2
RGB	205, 220, 226
RGB Percent	80%, 86%, 89%
CMY	0.1961, 0.1372, 0.1137
CMYK	0.09, 0.03, 0.00, 0.11
HSL	197°, 27%, 85%
HSV	197°, 9%, 89%
XYZ	64.4975, 69.6565, 81.9972
YIQ	216.1990, -10.8660, -1.3140

Conversions

Conversions Part 2

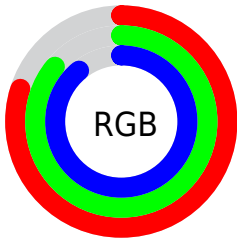
Format	Color
R _Y B	205, 214, 226
Decimal	13491426
CIE Lab	86.83, -3.85, -4.67
CIE LCh	87, 6.051, 230.523
Yxy	69.6565, 0.2984, 0.3223
Android (android.graphics.Color)	4291681506 (0xFFCDDCE2)
YUV	216.1990, 4.8319, -9.8215
Hunter-Lab	83.4605, -8.1126, 0.1718

Details

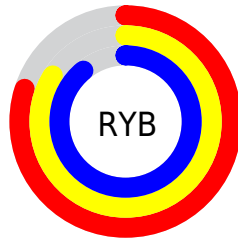
The XYZ color **64.4975, 69.6565, 81.9972** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6781, 67.1647, 67.2613**, and the grayscale version is **65.3809, 68.7858, 74.9077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5683, 36.4299, 43.7905** is the 20% darker color. If you saturate the color by 10%, you get **57.0472, 63.3514, 81.1739**, and if you desaturate by 10%, it is **72.9177, 76.5625, 82.8875**.

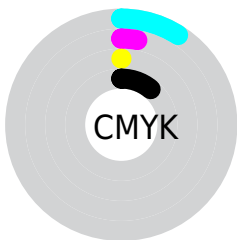
Distribution



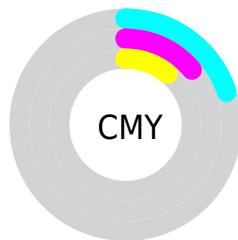
- Red (80%)
- Green (86%)
- Blue (89%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4975, 69.6565, 81.9972 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 64.4975, 69.6565, 81.9972 by changing the saturation by 10% instead.

■ 64.4975, 69.6565,
81.9972

■ 64.4975, 69.6565,
81.9972

430.5578,
459.3430, 521.5215

■ 47.3169, 51.2465,
60.8274

110.3968,
118.7188, 138.0067

■ 33.4953, 36.4049,
43.6563

139.8463,
150.1399, 173.6835

■ 22.6672, 24.7470,
30.0652

174.1161,
186.6668, 215.0331

■ 14.4673, 15.8887,
19.6356

213.5717,
228.6840, 262.4740

■ 8.5302, 9.4454,
11.9490

258.5782,
276.5758, 316.4248

■ 4.4907, 5.0328,
6.5868

309.5012,

■ 1.9833, 2.2665,

330.7267, 377.3039

3.1306

366.7059,
391.5209, 445.5300

■ 0.6246, 0.7559,
1.1617

■ 0.0000, 0.0000,
0.0000

■ 64.4975, 69.6565,
81.9972

■ 64.4975, 69.6565,
81.9972

■ 57.0472, 63.3514,
81.1739

■ 72.9177, 76.5625,
82.8875

■ 50.5217, 57.6171,
80.4111

■ 82.3386, 84.0806,
83.8421

■ 44.8809, 52.4338,
79.7079

■ 85.9415, 88.6986,
84.5436

■ 40.0797, 47.7771,
79.0621

■ 87.8686, 92.5530,
85.1860

■ 36.0683, 43.6203,
78.4712

■ 89.8640, 96.5438,
85.8511

■ 32.7918, 39.9338,
77.9323

■ 90.7277, 98.2711,
86.1390

■ 30.1875, 36.6840,
77.4423

■ 28.1811, 33.8317,
76.9975

■ 26.6542, 31.3144,
76.5921

Harmonies

Analogous

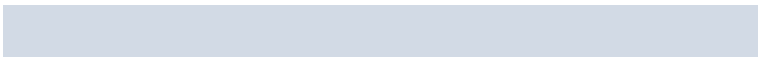
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6994, 69.6565, 78.5991



64.4975, 69.6565, 81.9972



65.7610, 69.6565, 83.7641

Triad

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



64.4975, 69.6565, 81.9972



68.9170, 69.6565, 77.1299



65.2604, 69.6565, 68.8016

Complementary

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



64.4975, 69.6565, 81.9972



65.6781, 67.1647, 67.2613

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.



66.6539, 69.6565, 68.4397



64.4975, 69.6565, 81.9972



68.7783, 69.6565, 73.1542

Square

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



64.4975, 69.6565, 81.9972



68.3214, 69.6565, 80.8889



67.9452, 69.6565, 70.0068



64.1355, 69.6565, 71.0135

Rectangle

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



64.4975, 69.6565, 81.9972



66.7028, 69.6565, 83.7378



67.9452, 69.6565, 70.0068



65.7125, 69.6565, 68.4627

Sweetspot

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



64.4995, 69.6594, 81.9987



91.5984, 97.1919, 108.5399



64.1260, 72.0737, 72.1281



19.4127, 20.6451, 23.2117



0.0000, 0.0000, 0.0000



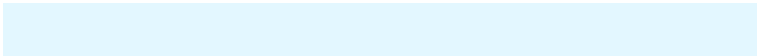
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4995, 69.6594, 81.9987



82.9705, 90.0582, 107.6177



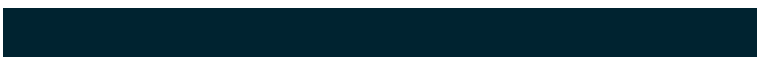
61.8411, 64.3427, 81.1126



13.7686, 14.8763, 17.5334



15.2548, 17.9791, 43.7147



1.1326, 1.3966, 3.0551

Inverse Universe

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



66.1152, 65.0001, 76.7752



85.4824, 82.8856, 99.4807



68.3600, 72.5286, 68.1553



14.1194, 13.8654, 16.3990



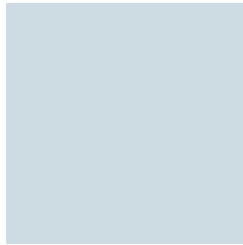
21.6401, 10.7230, 20.5684



1.5379, 0.7584, 1.6256

Previews

White Background



This preview shows how the XYZ color 64.4975, 69.6565, 81.9972 looks on a white background.

Color Contrast Check

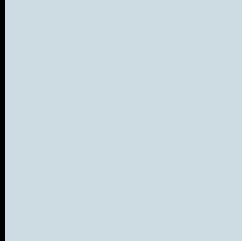
Large Text (above 18pt) WCAG AA × Fail

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 64.4975, 69.6565, 81.9972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

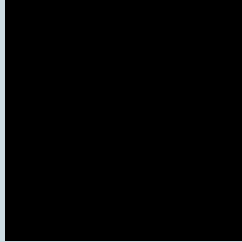
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

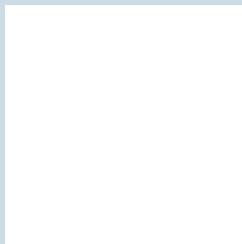
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4975, 69.6565, 81.9972

Background



This preview shows how black text looks on a background with the XYZ color 64.4975, 69.6565, 81.9972.

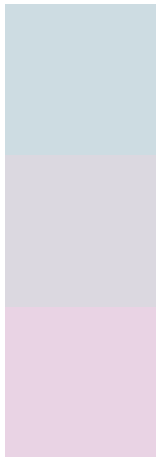


This preview shows how white text looks on a background with the XYZ color 64.4975, 69.6565,

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

64.4975, 69.6565, 81.9972

Protanopia

67.2238, 69.5536, 80.4031

Deuteranopia

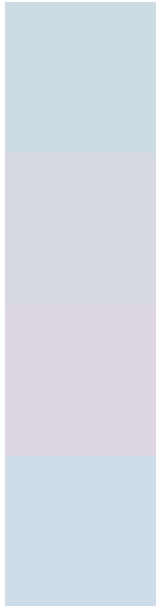
70.9021, 69.5136, 83.0793



Tritanopia

65.9439, 69.4643, 89.2892

Trichromacy



Original Color

64.4975, 69.6565, 81.9972

Protanomaly

66.1350, 69.3581, 81.1359

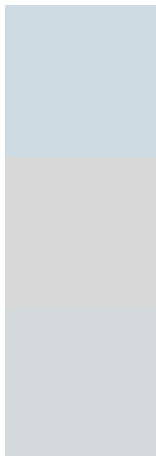
Deuteranomaly

68.3431, 69.3272, 82.4525

Tritanomaly

65.3506, 69.6110, 86.3359

Monochromacy



Original Color

64.4975, 69.6565, 81.9972

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.8825, 68.7901, 77.5683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4975, 69.6565, 81.9972 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(205, 220, 226) looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 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(205, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.4975, 69.6565, 81.9972 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(205, 220, 226) }
```


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

```
.border{ border-color:rgb(205, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4975, 69.6565, 81.9972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 226) }
```

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

```
.background{ background-color: rgb(205,  
220, 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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