

Converting Colors

XYZ(64.0875, 69.5946, 80.8627)

Have a look what the booklet for
XYZ(64.0875, 69.5946, 80.8627)
contains.

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Color

**XYZ(63.9496, 69.4056,
80.5471)**

Conversions

Conversions Part 1

Format	Color
Hex	CCDCE0
RGB	204, 220, 224
RGB Percent	80%, 86%, 88%
CMY	0.2000, 0.1372, 0.1216
CMYK	0.09, 0.02, 0.00, 0.12
HSL	192°, 24%, 84%
HSV	192°, 9%, 88%
XYZ	63.9496, 69.4056, 80.5471
YIQ	215.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

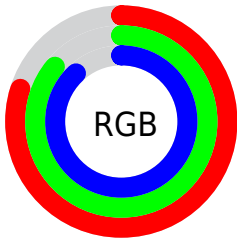
Format	Color
RYB	204, 213, 224
Decimal	13425888
CIELab	86.70, -4.56, -3.80
CIElCh	87, 5.940, 219.828
Yxy	69.4056, 0.2990, 0.3245
Android (android.graphics.Color)	4291615968 (0xFFCCDCE0)
YUV	215.6720, 4.1057, -10.2363
Hunter-Lab	83.3100, -8.7742, 0.9933

Details

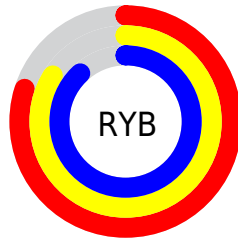
The XYZ color **63.9496, 69.4056, 80.5471** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1957, 65.3183, 66.3521**, and the grayscale version is **65.0270, 68.4135, 74.5023**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1942, 36.2589, 42.7853** is the 20% darker color. If you saturate the color by 10%, you get **57.0875, 64.1491, 79.8952**, and if you desaturate by 10%, it is **71.7302, 75.1861, 81.2538**.

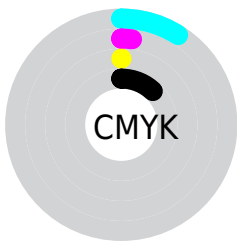
Distribution



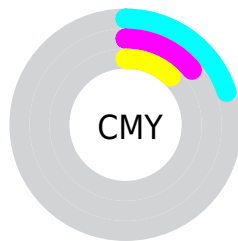
- Red (80%)
- Green (86%)
- Blue (88%)



- Red (80%)
- Yellow (84%)
- Blue (88%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9496, 69.4056, 80.5471 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 63.9496, 69.4056, 80.5471 by changing the saturation by 10% instead.

■ 63.9496, 69.4056,
80.5471

■ 63.9496, 69.4056,
80.5471

428.6127,
458.4602, 516.5300

■ 46.8714, 51.0421,
59.6399

109.6125,
118.3607, 135.9530

■ 33.1415, 36.2421,
42.7050

138.9279,
149.7211, 171.2887

■ 22.3946, 24.6212,
29.3240

173.0530,
186.1826, 212.2710

■ 14.2654, 15.7951,
19.0784

212.3533,
228.1296, 259.3184

■ 8.3884, 9.3793,
11.5496

257.1940,
275.9464, 312.8495

■ 4.3984, 4.9894,
6.3190

307.9406,

■ 1.9299, 2.2410,

330.0175, 373.2827

2.9681

364.9584,
390.7273, 441.0367

■ 0.5941, 0.7422,
1.0784

■ 0.0000, 0.0000,
0.0000

■ 63.9496, 69.4056,
80.5471

■ 63.9496, 69.4056,
80.5471

■ 57.0875, 64.1491,
79.8952

■ 71.7302, 75.1861,
81.2538

■ 51.1001, 59.3880,
79.2918

■ 80.4587, 81.5004,
82.0126

■ 45.9490, 55.1040,
78.7364

■ 83.9566, 85.1656,
82.5357

■ 41.5905, 51.2742,
78.2269

■ 85.2431, 87.7386,
82.9645

■ 37.9766, 47.8735,
77.7610

■ 86.5620, 90.3764,
83.4041

■ 35.0544, 44.8743,
77.3361

■ 87.9135, 93.0794,
83.8546

■ 32.7632, 42.2448,
76.9493

■ 89.2979, 95.8482,
84.3161

■ 31.0317, 39.9480,
76.5973

■ 90.4547, 98.1619,
84.7017

■ 29.7493, 37.9263,
76.2746

Harmonies

Analogous

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



63.3859, 69.4056, 76.8764



63.9496, 69.4056, 80.5471



65.0565, 69.4056, 82.9364

Triad

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



63.9496, 69.4056, 80.5471



68.4920, 69.4056, 78.2238



65.5157, 69.4056, 68.3225

Complementary

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



63.9496, 69.4056, 80.5471



64.1957, 65.3183, 66.3521

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.



66.8879, 69.4056, 68.6549



63.9496, 69.4056, 80.5471



68.6191, 69.4056, 74.2803

Square

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



63.9496, 69.4056, 80.5471



67.6833, 69.4056, 81.5630



68.0283, 69.4056, 70.8040



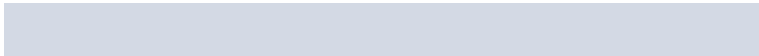
64.2818, 69.4056, 69.8797

Rectangle

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



63.9496, 69.4056, 80.5471



65.9600, 69.4056, 83.4337



68.0283, 69.4056, 70.8040



65.9759, 69.4056, 68.2183

Sweetspot

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



63.9516, 69.4085, 80.5486



91.8056, 97.6063, 108.6090



62.9028, 70.6875, 69.7896



19.4687, 20.7572, 23.2304



0.0000, 0.0000, 0.0000



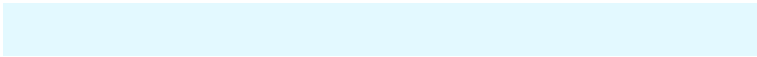
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9516, 69.4085, 80.5486



83.7106, 91.5384, 107.8644



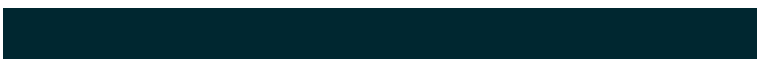
61.4865, 64.4784, 79.7269



13.8718, 15.0826, 17.5678



17.3254, 22.1203, 44.4049



1.2608, 1.6530, 3.0979

Inverse Universe

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



65.2532, 64.2017, 76.6665



85.8559, 83.0350, 101.4479



66.6257, 70.1782, 67.1621



14.1715, 13.8862, 16.6732



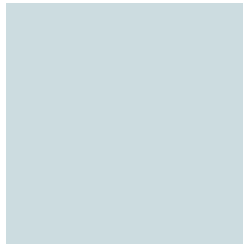
22.6853, 11.1411, 26.0721



1.6026, 0.7843, 1.9663

Previews

White Background



This preview shows how the XYZ color 63.9496, 69.4056, 80.5471 looks on a white background.

Color Contrast Check

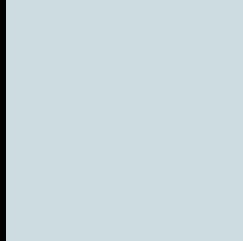
Large Text (above 18pt) WCAG AA × Fail

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 63.9496, 69.4056, 80.5471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

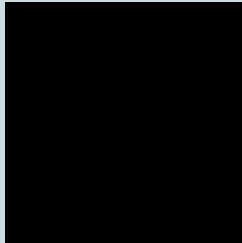
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

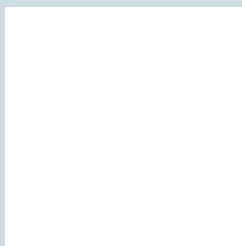
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9496, 69.4056, 80.5471

Background



This preview shows how black text looks on a background with the XYZ color 63.9496, 69.4056, 80.5471.



This preview shows how white text looks on a background with the XYZ color 63.9496, 69.4056,

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

63.9496, 69.4056, 80.5471

Protanopia

66.8204, 69.3923, 78.2788

Deuteranopia

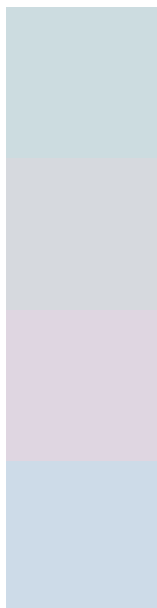
70.7057, 69.0766, 81.5580



Tritanopia

65.6653, 69.3207, 89.2762

Trichromacy



Original Color

63.9496, 69.4056, 80.5471

Protanomaly

65.7292, 69.1958, 78.9991

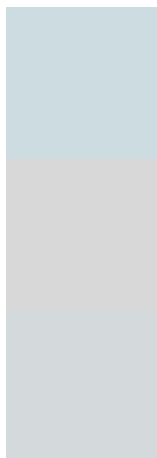
Deuteranomaly

68.0686, 69.2174, 81.0068

Tritanomaly

65.0738, 69.4684, 86.3229

Monochromacy



Original Color

63.9496, 69.4056, 80.5471

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7504, 68.7372, 76.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9496, 69.4056, 80.5471 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(204, 220, 224) looks like.

```
.text, #text, p{  
    color:rgb(204, 220, 224)  
}
```

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(204, 220, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 220, 224) }
```

Border

The CSS property to change the border of an element to XYZ 63.9496, 69.4056, 80.5471 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(204, 220, 224) }
```


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

```
.border{ border-color:rgb(204, 220, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 220, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 220,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9496, 69.4056, 80.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 220, 224) }
```

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

```
.background{ background-color: rgb(204,  
220, 224) }
```

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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