

Converting Colors

XYZ(63.1471, 69.9063, 74.8488)

Have a look what the booklet for
XYZ(63.1471, 69.9063, 74.8488)
contains.

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Color

**XYZ(63.1445, 69.8969,
75.1291)**

Conversions

Conversions Part 1

Format	Color
Hex	CBDED8
RGB	203, 222, 216
RGB Percent	80%, 87%, 85%
CMY	0.2039, 0.1294, 0.1529
CMYK	0.09, 0.00, 0.03, 0.13
HSL	161°, 22%, 83%
HSV	161°, 9%, 87%
XYZ	63.1445, 69.8969, 75.1291
YIQ	215.6350, -9.3980, -5.8940

Conversions

Conversions Part 2

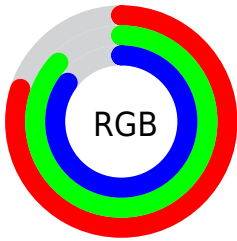
Format	Color
RYB	203, 214, 222
Decimal	13360856
CIELab	86.95, -7.45, 0.76
CIELCh	87, 7.489, 174.156
Yxy	69.8969, 0.3033, 0.3358
Android (android.graphics.Color)	4291550936 (0xFFCBDED8)
YUV	215.6350, 0.1799, -11.0809
Hunter-Lab	83.6044, -11.4906, 5.2435

Details

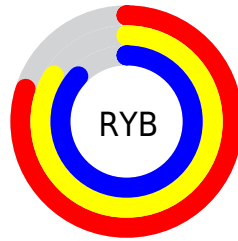
The XYZ color **63.1445, 69.8969, 75.1291** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.9912, 62.8467, 69.1354**, and the grayscale version is **65.0270, 68.4134, 74.5022**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6462, 36.6002, 39.0621** is the 20% darker color. If you saturate the color by 10%, you get **56.6392, 66.6478, 70.1930**, and if you desaturate by 10%, it is **70.5583, 73.6137, 80.3127**.

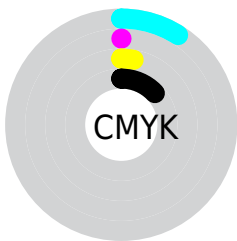
Distribution



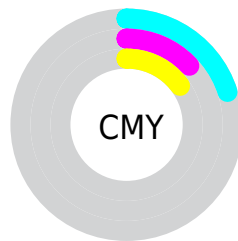
- Red (80%)
- Green (87%)
- Blue (85%)



- Red (80%)
- Yellow (84%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1445, 69.8969, 75.1291 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 63.1445, 69.8969, 75.1291 by changing the saturation by 10% instead.

■ 63.1445, 69.8969,
75.1291

■ 63.1445, 69.8969,
75.1291

425.7451,
460.1879, 497.6284

■ 46.2172, 51.4425,
55.2163

108.4586,
119.0617, 128.2439

■ 32.6226, 36.5609,
39.1752

137.5761,
150.5409, 162.2829

■ 21.9953, 24.8677,
26.5871

171.4877,
187.1305, 201.8678

■ 13.9701, 15.9785,
17.0337

210.5588,
229.2148, 247.4170

■ 8.1814, 9.5089,
10.0963

255.1548,
277.1784, 299.3492

■ 4.2640, 5.0746,
5.3564

305.6409,

■ 1.8526, 2.2911,

331.4055, 358.0828

2.3955

362.3825,
392.2805, 424.0363

■ 0.5490, 0.7690,
0.7840

■ 0.0000, 0.0000,
0.0000

■ 63.1445, 69.8969,
75.1291

■ 63.1445, 69.8969,
75.1291

■ 56.6392, 66.6478,
70.1930

■ 70.5583, 73.6137,
80.3127

■ 50.9993, 63.8384,
65.4955

■ 78.9094, 77.8074,
85.7431

■ 46.1870, 61.4514,
61.0338

■ 82.6548, 79.6221,
91.1650

■ 42.1595, 59.4646,
56.8033

■ 83.7001, 80.0402,
96.6697

■ 38.8699, 57.8540,
52.7991

■ 84.7860, 80.4745,
102.3879

■ 36.2662, 56.5927,
49.0162

■ 85.4126, 80.7252,
105.6875

■ 34.2892, 55.6504,
45.4489

■ 32.8693, 54.9913,
42.0913

■ 31.9026, 54.5618,
38.9355

Harmonies

Analogous

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



63.7453, 69.8969, 70.6028



63.1445, 69.8969, 75.1291



63.4127, 69.8969, 80.1165

Triad

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



63.1445, 69.8969, 75.1291



67.8209, 69.8969, 85.2386



68.4242, 69.8969, 68.5608

Complementary

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



63.1445, 69.8969, 75.1291



62.9912, 62.8467, 69.1354

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.



69.5516, 69.8969, 72.2313



63.1445, 69.8969, 75.1291



69.1991, 69.8969, 81.8876

Square

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



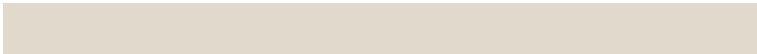
63.1445, 69.8969, 75.1291



66.0930, 69.8969, 86.0972



69.8377, 69.8969, 77.0910



66.7780, 69.8969, 66.9190

Rectangle

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



63.1445, 69.8969, 75.1291



64.0507, 69.8969, 83.0159



69.8377, 69.8969, 77.0910



68.8776, 69.8969, 69.5903

Sweetspot

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



63.1465, 69.8999, 75.1306



91.9046, 98.4232, 106.7345



63.2022, 70.1152, 66.7033



19.4956, 20.9785, 22.7228



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.



63.1465, 69.8999, 75.1306



85.0128, 94.9723, 101.8014



63.0212, 68.3844, 78.9887



13.9227, 15.4948, 16.6279



18.9279, 32.3960, 23.1412



1.3520, 2.2615, 1.8147

Inverse Universe

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



62.9912, 62.8467, 69.1354



84.7653, 83.7227, 92.2396



63.0938, 64.2190, 65.5710



13.8847, 13.7715, 15.1632



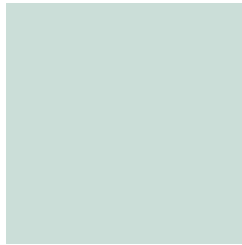
18.5969, 9.5058, 4.5430



1.3287, 0.6747, 0.5237

Previews

White Background



This preview shows how the XYZ color 63.1445, 69.8969, 75.1291 looks on a white background.

Color Contrast Check

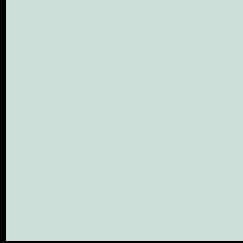
Large Text (above 18pt) WCAG AA × Fail

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 63.1445, 69.8969, 75.1291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

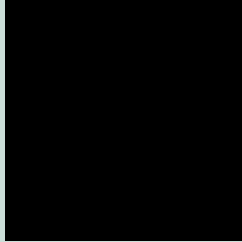
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

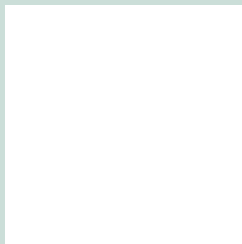
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1445, 69.8969, 75.1291

Background



This preview shows how black text looks on a background with the XYZ color 63.1445, 69.8969, 75.1291.

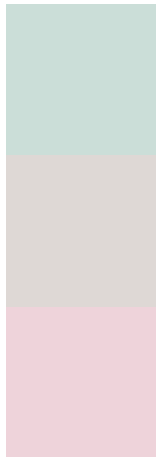


This preview shows how white text looks on a background with the XYZ color 63.1445, 69.8969,

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

63.1445, 69.8969, 75.1291

Protanopia

66.6903, 69.4454, 72.8401

Deuteranopia

71.2090, 69.8276, 76.0546



Tritanopia

65.9254, 69.8410, 89.3629

Trichromacy



Original Color

63.1445, 69.8969, 75.1291

Protanomaly

65.2333, 69.4449, 73.5844

Deuteranomaly

67.8762, 69.6182, 75.5058

Tritanomaly

64.9129, 69.8227, 84.1846

Monochromacy



Original Color

63.1445, 69.8969, 75.1291

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.3300, 68.9496, 74.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1445, 69.8969, 75.1291 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(203, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 222, 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(203, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 222, 216) }
```

Border

The CSS property to change the border of an element to XYZ 63.1445, 69.8969, 75.1291 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(203, 222, 216) }
```


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

```
.border{ border-color:rgb(203, 222, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 222, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 222,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1445, 69.8969, 75.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 222, 216) }
```

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

```
.background{ background-color: rgb(203,  
222, 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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