

Converting Colors

XYZ(63.3892, 69.1700, 78.6990)

Have a look what the booklet for
XYZ(63.3892, 69.1700, 78.6990)
contains.

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Color

**XYZ(63.2729, 69.1034,
78.4101)**

Conversions

Conversions Part 1

Format	Color
Hex	CBDCDD
RGB	203, 220, 221
RGB Percent	80%, 86%, 87%
CMY	0.2039, 0.1372, 0.1333
CMYK	0.08, 0.00, 0.00, 0.13
HSL	183°, 21%, 83%
HSV	183°, 8%, 87%
XYZ	63.2729, 69.1034, 78.4101
YIQ	215.0310, -10.4530, -3.2930

Conversions

Conversions Part 2

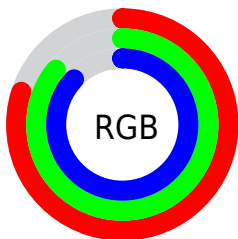
Format	Color
R _Y B	203, 212, 221
Decimal	13360349
CIE Lab	86.56, -5.47, -2.45
CIE LCh	87, 5.992, 204.111
Yxy	69.1034, 0.3002, 0.3278
Android (android.graphics.Color)	4291550429 (0xFFC _B DCDD)
YUV	215.0310, 2.9427, -10.5512
Hunter-Lab	83.1285, -9.6102, 2.2652

Details

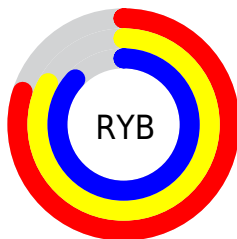
The XYZ color **63.2729, 69.1034, 78.4101** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1913, 62.8690, 65.3579**, and the grayscale version is **64.5997, 67.9639, 74.0127**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7325, 36.0530, 41.3101** is the 20% darker color. If you saturate the color by 10%, you get **57.3588, 65.5815, 78.0431**, and if you desaturate by 10%, it is **70.0512, 73.0781, 78.8211**.

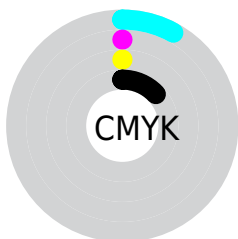
Distribution



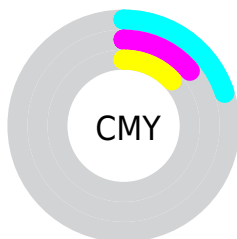
- Red (80%)
- Green (86%)
- Blue (87%)



- Red (80%)
- Yellow (83%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2729, 69.1034, 78.4101 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 63.2729, 69.1034, 78.4101 by changing the saturation by 10% instead.

■ 63.2729, 69.1034,
78.4101

■ 63.2729, 69.1034,
78.4101

426.2032,
457.3956, 509.1232

■ 46.3215, 50.7959,
57.8925

108.6427,
117.9292, 132.9192

■ 32.7053, 36.0462,
41.3081

137.7919,
149.2164, 167.7478

■ 22.0589, 24.4699,
28.2384

171.7376,
185.5989, 208.1837

■ 14.0170, 15.6826,
18.2648

210.8454,
227.4612, 254.6456

■ 8.2143, 9.2998,
10.9689

255.4804,
275.1876, 307.5519

■ 4.2853, 4.9372,
5.9320

306.0082,

■ 1.8648, 2.2105,

329.1625, 367.3213

2.7357

362.7940,
389.7704, 434.3722

■ 0.5562, 0.7257,
0.9613

■ 0.0000, 0.0000,
0.0000

■ 63.2729, 69.1034,
78.4101

■ 63.2729, 69.1034,
78.4101

■ 57.3588, 65.5815,
78.0431

■ 70.0512, 73.0781,
78.8211

■ 52.2670, 62.4850,
77.7138

■ 77.7218, 77.5144,
79.2731

■ 47.9606, 59.7970,
77.4219

■ 80.8599, 79.6176,
79.5137

■ 44.3979, 57.4958,
77.1655

■ 81.1893, 80.2764,
79.6235

41.5333, 55.5579,
76.9424

81.5211, 80.9400,
79.7341

39.3160, 53.9572,
76.7503

81.8552, 81.6082,
79.8455

37.6883, 52.6640,
76.5865

82.1917, 82.2813,
79.9576

36.5827, 51.6432,
76.4477

82.5306, 82.9591,
80.0706

35.9015, 50.8447,
76.3295

82.8719, 83.6417,
80.1844

Harmonies

Analogous

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



63.0596, 69.1034, 74.4598



63.2729, 69.1034, 78.4101



64.1274, 69.1034, 81.6106

Triad

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



63.2729, 69.1034, 78.4101



67.8684, 69.1034, 79.8155



65.9551, 69.1034, 67.8866

Complementary

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



63.2729, 69.1034, 78.4101



62.1913, 62.8690, 65.3579

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.



67.2589, 69.1034, 69.2134



63.2729, 69.1034, 78.4101



68.3735, 69.1034, 76.0293

Square

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



63.2729, 69.1034, 78.4101



66.7778, 69.1034, 82.4418



68.1488, 69.1034, 72.1601



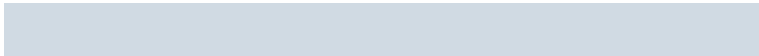
64.5957, 69.1034, 68.4738

Rectangle

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



63.2729, 69.1034, 78.4101



64.9522, 69.1034, 82.8412



68.1488, 69.1034, 72.1601



66.4146, 69.1034, 68.1221

Sweetspot

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



63.2749, 69.1063, 78.4116



93.1085, 98.8655, 108.7833



61.3731, 68.7654, 67.1031



19.9494, 21.1732, 23.2853



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.



63.2749, 69.1063, 78.4116



85.8342, 94.5830, 108.3401



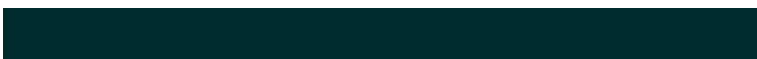
60.9998, 64.5562, 77.6533



13.3799, 14.6996, 16.7842



20.8213, 29.5121, 44.3374



1.3682, 1.9504, 2.8788

Inverse Universe

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



64.0945, 63.2525, 76.5445



87.2214, 84.7051, 105.1733



64.3684, 67.2232, 66.0836



13.5816, 13.2617, 16.3241



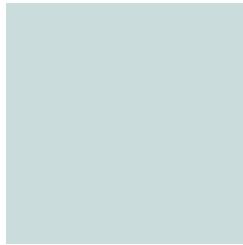
24.0050, 11.6030, 36.0018



1.5649, 0.7556, 2.3835

Previews

White Background



This preview shows how the XYZ color 63.2729, 69.1034, 78.4101 looks on a white background.

Color Contrast Check

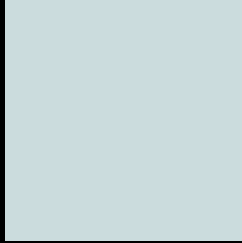
Large Text (above 18pt) WCAG AA × Fail

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 63.2729, 69.1034, 78.4101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

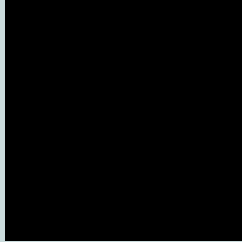
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

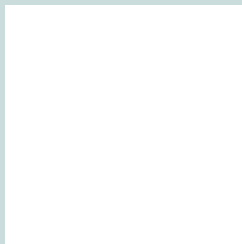
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2729, 69.1034, 78.4101

Background



This preview shows how black text looks on a background with the XYZ color 63.2729, 69.1034, 78.4101.



This preview shows how white text looks on a background with the XYZ color 63.2729, 69.1034,

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

63.2729, 69.1034, 78.4101

Protanopia

66.4705, 68.8785, 76.1212

Deuteranopia

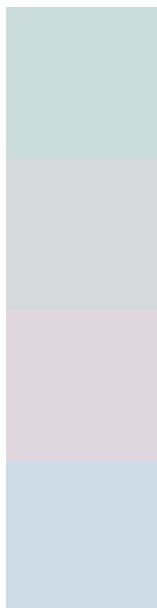
70.2976, 68.9133, 79.4086



Tritanopia

65.2436, 69.1201, 88.5001

Trichromacy



Original Color

63.2729, 69.1034, 78.4101

Protanomaly

65.3306, 69.0363, 76.8999

Deuteranomaly

67.6628, 69.0550, 78.8700

Tritanomaly

64.5163, 69.2136, 84.8221

Monochromacy



Original Color

63.2729, 69.1034, 78.4101

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2012, 68.4843, 75.4807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2729, 69.1034, 78.4101 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, 220, 221)` looks like.

```
.text, #text, p{  
    color:rgb(203, 220, 221)  
}
```

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, 220, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 220, 221) }
```

Border

The CSS property to change the border of an element to XYZ 63.2729, 69.1034, 78.4101 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, 220, 221) }
```


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

```
.border{ border-color:rgb(203, 220, 221) }
```

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

Here you see how a box with a 4 pixel rgb(203, 220, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 220, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 220, 221);  
box-shadow:4px 4px 4px 4px rgb(203, 220,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2729, 69.1034, 78.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 220, 221) }
```

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

```
.background{ background-color: rgb(203,  
220, 221) }
```

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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