

Converting Colors

XYZ(63.7727, 71.1260, 75.3953)

Have a look what the booklet for
XYZ(63.7727, 71.1260, 75.3953)
contains.

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Color

**XYZ(63.6789, 70.9657,
75.3073)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE0D8
RGB	203, 224, 216
RGB Percent	80%, 88%, 85%
CMY	0.2039, 0.1215, 0.1529
CMYK	0.09, 0.00, 0.04, 0.12
HSL	157°, 25%, 84%
HSV	157°, 9%, 88%
XYZ	63.6789, 70.9657, 75.3073
YIQ	216.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

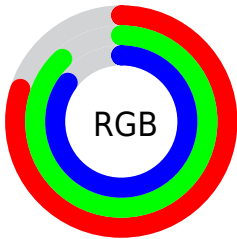
Format	Color
R _Y B	203, 216, 224
Decimal	13361368
CIE Lab	87.47, -8.47, 1.52
CIE LCh	87, 8.609, 169.810
Yxy	70.9657, 0.3033, 0.3380
Android (android.graphics.Color)	4291551448 (0xFFCBE0D8)
YUV	216.8090, -0.3988, -12.1105
Hunter-Lab	84.2411, -12.4917, 5.9666

Details

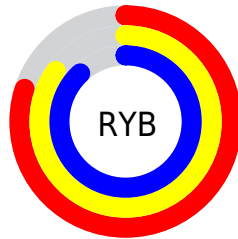
The XYZ color **63.6789, 70.9657, 75.3073** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.8568, 63.2641, 70.4768**, and the grayscale version is **65.8317, 69.2601, 75.4242**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0154, 37.3387, 39.1852** is the 20% darker color. If you saturate the color by 10%, you get **56.9392, 67.6174, 69.3811**, and if you desaturate by 10%, it is **71.3614, 74.7973, 81.5799**.

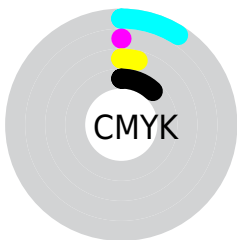
Distribution



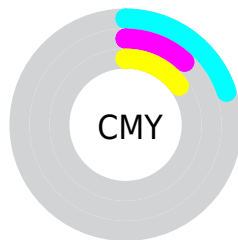
- Red (80%)
- Green (88%)
- Blue (85%)



- Red (80%)
- Yellow (85%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6789, 70.9657, 75.3073 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 63.6789, 70.9657, 75.3073 by changing the saturation by 10% instead.

■ 63.6789, 70.9657,
75.3073

■ 63.6789, 70.9657,
75.3073

427.6498,
463.9335, 498.2567

■ 46.6514, 52.3142,
55.3614

109.2247,
120.5849, 128.4984

■ 32.9669, 37.2556,
39.2906

138.4737,
152.3214, 162.5806

■ 22.2602, 25.4054,
26.6763

172.5271,
189.1883, 202.2121

■ 14.1659, 16.3794,
17.1000

211.7505,
231.5701, 247.8114

■ 8.3186, 9.7930,
10.1431

256.5091,
279.8511, 299.7969

■ 4.3530, 5.2619,
5.3871

307.1683,

■ 1.9037, 2.4018,

334.4157, 358.5873

2.4134

364.0934,
395.6484, 424.6010

■ 0.5790, 0.8268,
0.7938

■ 0.0000, 0.0000,
0.0000

■ 63.6789, 70.9657,
75.3073

■ 63.6789, 70.9657,
75.3073

■ 56.9392, 67.6174,
69.3811

■ 71.3614, 74.7973,
81.5799

■ 51.0977, 64.7238,
63.7902

■ 80.0168, 79.1218,
88.2002

■ 46.1154, 62.2665,
58.5297

■ 83.8653, 80.9613,
94.9035

■ 41.9475, 60.2229,
53.5929

■ 85.1750, 81.4852,
101.8003

■ 38.5454, 58.5678,
48.9725

■ 85.9470, 81.7940,
105.8657

■ 35.8551, 57.2735,
44.6611

■ 33.8148, 56.3083,
40.6508

■ 32.3518, 55.6349,
36.9328

■ 31.3479, 55.1924,
33.4963

Harmonies

Analogous

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



64.5107, 70.9657, 70.2730



63.6789, 70.9657, 75.3073



63.8422, 70.9657, 81.1230

Triad

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



63.6789, 70.9657, 75.3073



68.7832, 70.9657, 88.2793



70.0030, 70.9657, 69.0352

Complementary

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



63.6789, 70.9657, 75.3073



63.8568, 63.2641, 70.4768

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.



71.1928, 70.9657, 73.5401



63.6789, 70.9657, 75.3073



70.4788, 70.9657, 84.7158

Square

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



63.6789, 70.9657, 75.3073



66.7621, 70.9657, 88.8110



71.3687, 70.9657, 79.2657



68.1442, 70.9657, 66.7740

Rectangle

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



63.6789, 70.9657, 75.3073



64.4945, 70.9657, 84.6553



71.3687, 70.9657, 79.2657



70.4960, 70.9657, 70.3264

Sweetspot

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



63.6809, 70.9687, 75.3089



91.8255, 98.3915, 106.3178



64.3158, 71.4826, 66.9085



19.4743, 20.9700, 22.6102



0.0000, 0.0000, 0.0000



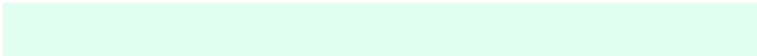
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6809, 70.9687, 75.3089



83.7993, 94.3934, 99.6393



64.0874, 70.0851, 80.6746



13.8836, 15.4792, 16.4224



18.2707, 32.1331, 19.6804



1.3096, 2.2446, 1.5917

Inverse Universe

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



63.8568, 63.2641, 70.4768



84.0749, 82.3226, 92.0693



63.4613, 64.0391, 65.5168



13.9223, 13.7865, 15.3608



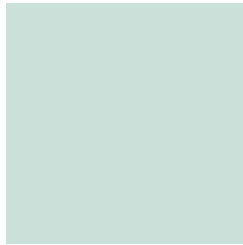
18.9077, 9.6301, 6.1796



1.3533, 0.6846, 0.6531

Previews

White Background



This preview shows how the XYZ color 63.6789, 70.9657, 75.3073 looks on a white background.

Color Contrast Check

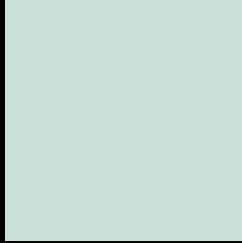
Large Text (above 18pt) WCAG AA × Fail

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 63.6789, 70.9657, 75.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

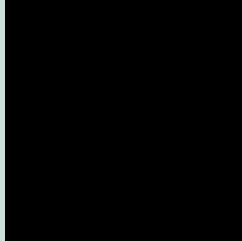
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

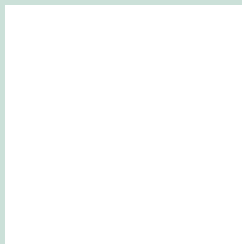
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6789, 70.9657, 75.3073

Background



This preview shows how black text looks on a background with the XYZ color 63.6789, 70.9657, 75.3073.

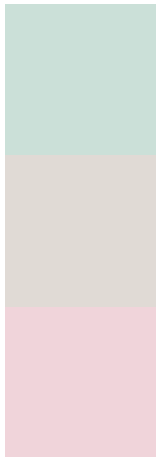


This preview shows how white text looks on a background with the XYZ color 63.6789, 70.9657,

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

63.6789, 70.9657, 75.3073

Protanopia

67.8221, 70.7942, 73.0408

Deuteranopia

72.1336, 70.6742, 76.1693



Tritanopia

67.0212, 71.1513, 91.0901

Trichromacy



Original Color

63.6789, 70.9657, 75.3073

Protanomaly

66.0497, 70.6404, 73.7721

Deuteranomaly

68.7588, 70.4524, 75.6203

Tritanomaly

65.8578, 71.0775, 85.1112

Monochromacy



Original Color

63.6789, 70.9657, 75.3073

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.2690, 70.1932, 75.7542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6789, 70.9657, 75.3073 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, 224, 216) looks like.

```
.text, #text, p{  
    color:rgb(203, 224, 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, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 224, 216) }
```

Border

The CSS property to change the border of an element to XYZ 63.6789, 70.9657, 75.3073 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, 224, 216) }
```


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

```
.border{ border-color:rgb(203, 224, 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, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 224,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6789, 70.9657, 75.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 224, 216) }
```

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

```
.background{ background-color: rgb(203,  
224, 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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