

Converting Colors

XYZ(63.6585, 70.3338, 68.9206)

Have a look what the booklet for
XYZ(63.6585, 70.3338, 68.9206)
contains.

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Color

**XYZ(63.5563, 70.2541,
68.6031)**

Conversions

Conversions Part 1

Format	Color
Hex	D1DECE
RGB	209, 222, 206
RGB Percent	82%, 87%, 81%
CMY	0.1804, 0.1294, 0.1922
CMYK	0.06, 0.00, 0.07, 0.13
HSL	109°, 20%, 84%
HSV	109°, 7%, 87%
XYZ	63.5563, 70.2541, 68.6031
YIQ	216.2890, -2.6120, -7.7320

Conversions

Conversions Part 2

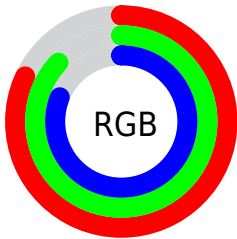
Format	Color
R _Y B	206, 222, 219
Decimal	13754062
CIE Lab	87.12, -7.26, 6.34
CIE LCh	87, 9.636, 138.876
Yxy	70.2541, 0.3140, 0.3471
Android (android.graphics.Color)	4291944142 (0xFFD1DECE)
YUV	216.2890, -5.0725, -6.3925
Hunter-Lab	83.8177, -11.3302, 10.1447

Details

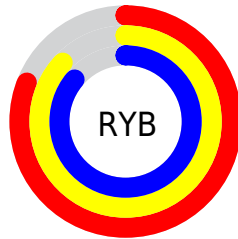
The XYZ color **63.5563, 70.2541, 68.6031** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4724, 64.4785, 78.1585**, and the grayscale version is **65.5037, 68.9150, 75.0484**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0038, 36.8730, 35.0835** is the 20% darker color. If you saturate the color by 10%, you get **56.2297, 66.7691, 55.1622**, and if you desaturate by 10%, it is **71.8457, 74.1955, 84.0805**.

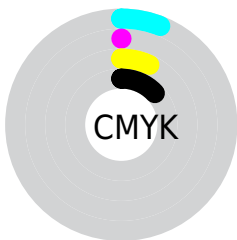
Distribution



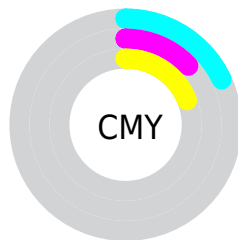
- Red (82%)
- Green (87%)
- Blue (81%)



- Red (81%)
- Yellow (87%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)



- Cyan (18%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5563, 70.2541, 68.6031 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 63.5563, 70.2541, 68.6031 by changing the saturation by 10% instead.

■ 63.5563, 70.2541,
68.6031

■ 63.5563, 70.2541,
68.6031

427.2133,
461.4417, 474.2858

■ 46.5517, 51.7337,
49.9188

109.0490,
119.5710, 118.8769

■ 32.8879, 36.7929,
34.9781

138.2678,
151.1364, 151.3034

■ 22.1994, 25.0472,
23.3626

172.2888,
187.8189, 189.1478

■ 14.1209, 16.1122,
14.6537

211.4773,
230.0028, 232.8285

■ 8.2871, 9.6036,
8.4328

256.1986,
278.0727, 282.7641

■ 4.3325, 5.1369,
4.2814

306.8182,

■ 1.8919, 2.3278,

332.4129, 339.3732

1.7809

363.7013,
393.4077, 403.0743

■ 0.5721, 0.7884,
0.4153

■ 0.0000, 0.0000,
0.0000

■ 63.5563, 70.2541,
68.6031

■ 63.5563, 70.2541,
68.6031

■ 56.2297, 66.7691,
55.1622

■ 71.8457, 74.1955,
84.0805

■ 49.8251, 63.7151,
43.6687

■ 81.1254, 78.5997,
101.6693

■ 44.3072, 61.0781,
34.0336

■ 85.4127, 80.7253,
105.6876

■ 39.6361, 58.8395,
26.1593

■ 35.7690, 56.9796,
19.9392

■ 32.6590, 55.4768,
15.2551

■ 30.2544, 54.3073,
11.9735

■ 28.4962, 53.4442,
9.9376

■ 27.3126, 52.8549,
8.9404

Harmonies

Analogous

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



65.3793, 70.2541, 65.3198



63.5563, 70.2541, 68.6031



62.6034, 70.2541, 74.1202

Triad

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



63.5563, 70.2541, 68.6031



65.9400, 70.2541, 89.3585



70.9684, 70.2541, 72.5413

Complementary

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



63.5563, 70.2541, 68.6031



64.4724, 64.4785, 78.1585

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.



71.1267, 70.2541, 78.9195



63.5563, 70.2541, 68.6031



68.1892, 70.2541, 88.8768

Square

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



63.5563, 70.2541, 68.6031



63.9588, 70.2541, 86.2510



70.0994, 70.2541, 84.9696



69.6715, 70.2541, 67.5034

Rectangle

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



63.5563, 70.2541, 68.6031



62.5750, 70.2541, 78.4298



70.0994, 70.2541, 84.9696



71.1576, 70.2541, 74.5919

Sweetspot

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



63.5582, 70.2571, 68.6046



92.7314, 98.8983, 104.5621



66.5471, 70.5478, 68.5032



19.8726, 21.1799, 22.4260



0.0000, 0.0000, 0.0000



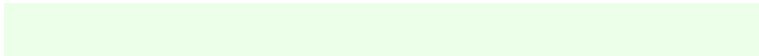
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5582, 70.2571, 68.6046



85.0415, 95.2421, 90.2826



63.3099, 70.0606, 71.6847



13.7673, 15.4602, 14.5653



16.1420, 31.3540, 5.2012



1.1891, 2.2095, 0.3638

Inverse Universe

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



64.4724, 64.4785, 78.1585



86.5958, 85.4147, 106.5303



64.7485, 64.6942, 74.8596



14.0300, 13.7990, 17.3117



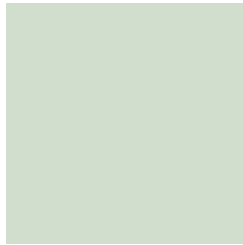
19.1544, 8.9698, 41.7702



1.3936, 0.6557, 2.8984

Previews

White Background



This preview shows how the XYZ color 63.5563, 70.2541, 68.6031 looks on a white background.

Color Contrast Check

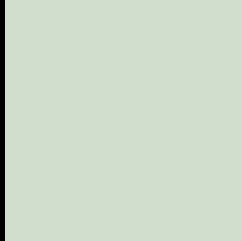
Large Text (above 18pt) WCAG AA × Fail

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 63.5563, 70.2541, 68.6031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

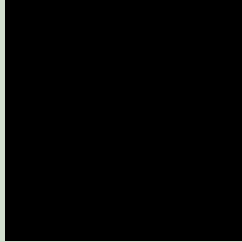
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

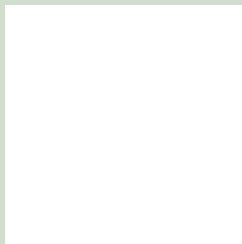
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5563, 70.2541, 68.6031

Background



This preview shows how black text looks on a background with the XYZ color 63.5563, 70.2541, 68.6031.



This preview shows how white text looks on a background with the XYZ color 63.5563, 70.2541,

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

63.5563, 70.2541, 68.6031

Protanopia

66.6437, 69.9451, 66.4882

Deuteranopia

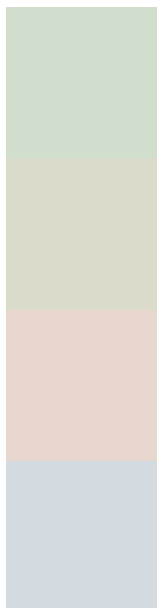
71.6416, 70.1973, 69.4480



Tritanopia

67.7984, 70.4371, 88.6196

Trichromacy



Original Color

63.5563, 70.2541, 68.6031

Protanomaly

65.4440, 70.0827, 67.2048

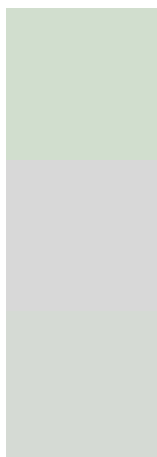
Deuteranomaly

68.5179, 70.0948, 68.9498

Tritanomaly

65.9374, 70.0419, 80.5652

Monochromacy



Original Color

63.5563, 70.2541, 68.6031

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.3956, 69.0424, 72.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5563, 70.2541, 68.6031 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(209, 222, 206) looks like.

```
.text, #text, p{  
    color:rgb(209, 222, 206)  
}
```

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(209, 222, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 222, 206) }
```

Border

The CSS property to change the border of an element to XYZ 63.5563, 70.2541, 68.6031 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(209, 222, 206) }
```


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

```
.border{ border-color:rgb(209, 222, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 222, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 222, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 222, 206); box-shadow:4px 4px 4px 4px rgb(209, 222, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5563, 70.2541, 68.6031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 222, 206) }
```

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

```
.background{ background-color: rgb(209,  
222, 206) }
```

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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