

Converting Colors

XYZ(63.4523, 69.9610, 84.3797)

Have a look what the booklet for
XYZ(63.4523, 69.9610, 84.3797)
contains.

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Color

**XYZ(63.2901, 69.7700,
84.2600)**

Conversions

Conversions Part 1

Format	Color
Hex	C5DEE5
RGB	197, 222, 229
RGB Percent	77%, 87%, 90%
CMY	0.2274, 0.1294, 0.1020
CMYK	0.14, 0.03, 0.00, 0.10
HSL	193°, 38%, 84%
HSV	193°, 14%, 90%
XYZ	63.2901, 69.7700, 84.2600
YIQ	215.3230, -17.1470, -3.1230

Conversions

Conversions Part 2

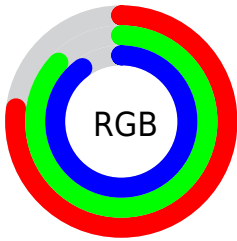
Format	Color
R _Y B	197, 211, 229
Decimal	12967653
CIE Lab	86.88, -6.85, -6.23
CIE LCh	87, 9.258, 222.313
Yxy	69.7700, 0.2912, 0.3210
Android (android.graphics.Color)	4291157733 (0xFFC5DEE5)
YUV	215.3230, 6.7428, -16.0693
Hunter-Lab	83.5284, -10.9240, -1.3394

Details

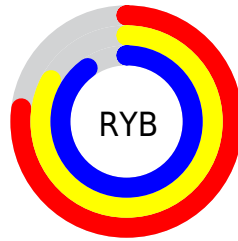
The XYZ color **63.2901, 69.7700, 84.2600** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9845, 63.8749, 61.7814**, and the grayscale version is **64.7759, 68.1492, 74.2145**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **32.7864, 36.5331, 45.3680** is the 20% darker color. If you saturate the color by 10%, you get **56.4336, 64.2920, 83.5651**, and if you desaturate by 10%, it is **71.1011, 75.8024, 85.0138**.

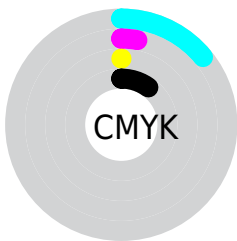
Distribution



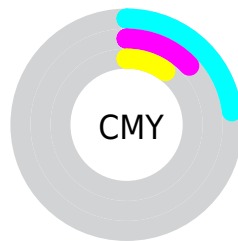
- Red (77%)
- Green (87%)
- Blue (90%)



- Red (77%)
- Yellow (83%)
- Blue (90%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2901, 69.7700, 84.2600 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 63.2901, 69.7700, 84.2600 by changing the saturation by 10% instead.

■ 63.2901, 69.7700,
84.2600

■ 63.2901, 69.7700,
84.2600

426.2645,
459.7420, 529.2568

■ 46.3355, 51.3391,
62.6835

108.6674,
118.8807, 141.2038

■ 32.7164, 36.4785,
45.1459

137.8208,
150.3292, 177.4081

■ 22.0674, 24.8040,
31.2285

171.7711,
186.8858, 219.3255

■ 14.0233, 15.9311,
20.5130

210.8837,
228.9347, 267.3745

■ 8.2187, 9.4754,
12.5807

255.5240,
276.8604, 321.9736

■ 4.2882, 5.0525,
7.0132

306.0574,

■ 1.8664, 2.2781,

331.0472, 383.5413

3.3918

362.8491,
391.8796, 452.4962

■ 0.5572, 0.7621,
1.2980

■ 0.0000, 0.0000,
0.0601

■ 63.2901, 69.7700,
84.2600

■ 63.2901, 69.7700,
84.2600

■ 56.4336, 64.2920,
83.5651

■ 71.1011, 75.8024,
85.0138

■ 50.4841, 59.3379,
82.9225

■ 79.8991, 82.4008,
85.8237

■ 45.3993, 54.8872,
82.3314

■ 85.6749, 87.5009,
86.5037

■ 41.1309, 50.9145,
81.7896

■ 87.1453, 90.4416,
86.9938

■ 37.6256, 47.3918,
81.2943

■ 88.6564, 93.4638,
87.4975

■ 34.8237, 44.2877,
80.8429

■ 90.2086, 96.5683,
88.0149

■ 32.6559, 41.5661,
80.4318

■ 91.1431, 98.4372,
88.3264

■ 31.0381, 39.1831,
80.0571

■ 30.2490, 37.8690,
79.8451

Harmonies

Analogous

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



62.3386, 69.7700, 78.5328



63.2901, 69.7700, 84.2600



65.0604, 69.7700, 87.8735

Triad

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



63.2901, 69.7700, 84.2600



70.3507, 69.7700, 79.6391



65.4325, 69.7700, 64.9287

Complementary

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



63.2901, 69.7700, 84.2600



63.9845, 63.8749, 61.7814

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.



67.5842, 69.7700, 65.1890



63.2901, 69.7700, 84.2600



70.4555, 69.7700, 73.4590

Square

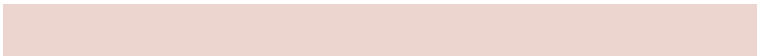
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.2901, 69.7700, 84.2600



69.1498, 69.7700, 85.1077



69.4333, 69.7700, 68.2381



63.5574, 69.7700, 67.5066

Rectangle

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



63.2901, 69.7700, 84.2600



66.4821, 69.7700, 88.4838



69.4333, 69.7700, 68.2381



66.1468, 69.7700, 64.6913

Sweetspot

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



63.2921, 69.7729, 84.2616



90.6891, 96.7018, 108.4932



61.9376, 72.2666, 67.7705



19.2406, 20.5682, 23.2059



0.0000, 0.0000, 0.0000



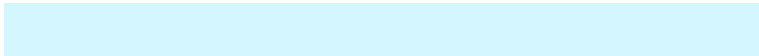
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2921, 69.7729, 84.2616



77.9109, 86.7858, 107.2527



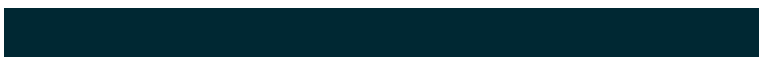
59.2574, 61.7035, 82.9167



14.5260, 15.7735, 18.4233



17.3870, 21.8361, 45.6816



1.3512, 1.7464, 3.3978

Inverse Universe

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



65.4658, 61.8659, 77.6015



81.2572, 74.7966, 96.9585



67.9681, 71.8419, 63.1092



14.8531, 14.5584, 17.4269



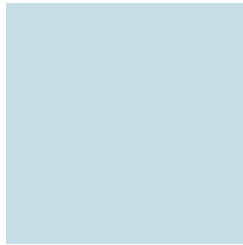
23.1697, 11.4021, 25.5862



1.7457, 0.8560, 2.0672

Previews

White Background



This preview shows how the XYZ color 63.2901, 69.7700, 84.2600 looks on a white background.

Color Contrast Check

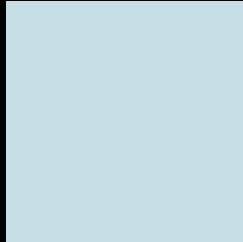
Large Text (above 18pt) WCAG AA × Fail

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 63.2901, 69.7700, 84.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

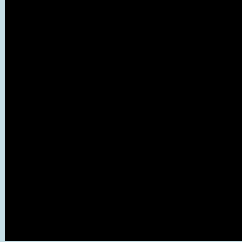
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2901, 69.7700, 84.2600

Background



This preview shows how black text looks on a background with the XYZ color 63.2901, 69.7700, 84.2600.

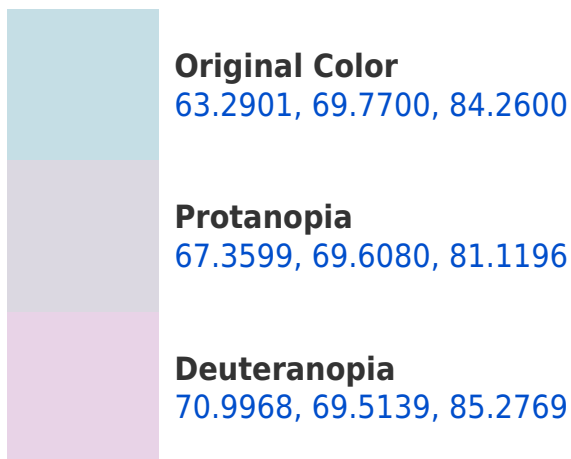


This preview shows how white text looks on a background with the XYZ color 63.2901, 69.7700,

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





Tritanopia

64.8423, 70.0281, 90.9881

Trichromacy



Original Color

63.2901, 69.7700, 84.2600

Protanomaly

65.6628, 69.4827, 81.9022

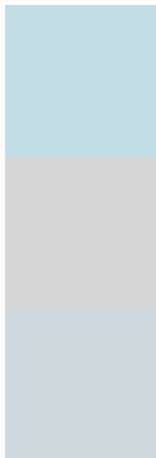
Deuteranomaly

67.7968, 69.3741, 84.6802

Tritanomaly

64.1406, 69.7168, 88.6734

Monochromacy



Original Color

63.2901, 69.7700, 84.2600

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0021, 68.7200, 77.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2901, 69.7700, 84.2600 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(197, 222, 229)` looks like.

```
.text, #text, p{  
    color:rgb(197, 222, 229)  
}
```

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(197, 222, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 222, 229) }
```

Border

The CSS property to change the border of an element to XYZ 63.2901, 69.7700, 84.2600 is called "border". The border property can be set on classes, ids or directly on the HTML element.

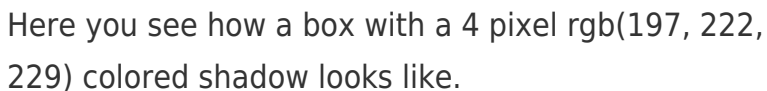
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 222, 229) }
```


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

```
.border{ border-color:rgb(197, 222, 229) }
```

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



Here you see how a box with a 4 pixel rgb(197, 222, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 222, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 222, 229); box-shadow:4px 4px 4px 4px rgb(197, 222, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2901, 69.7700, 84.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 222, 229) }
```

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

```
.background{ background-color: rgb(197,  
222, 229) }
```

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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