

Converting Colors

XYZ(64.7994, 71.1426, 83.2695)

Have a look what the booklet for
XYZ(64.7994, 71.1426, 83.2695)
contains.

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Color

**XYZ(64.6099, 70.8780,
82.9486)**

Conversions

Conversions Part 1

Format	Color
Hex	CADFE3
RGB	202, 223, 227
RGB Percent	79%, 87%, 89%
CMY	0.2078, 0.1255, 0.1098
CMYK	0.11, 0.02, 0.00, 0.11
HSL	190°, 31%, 84%
HSV	190°, 11%, 89%
XYZ	64.6099, 70.8780, 82.9486
YIQ	217.1770, -13.8000, -3.2080

Conversions

Conversions Part 2

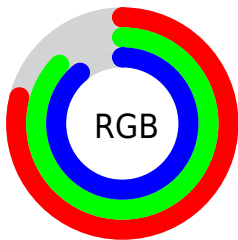
Format	Color
R _Y B	202, 213, 227
Decimal	13295587
CIE Lab	87.43, -6.17, -4.34
CIE LCh	87, 7.542, 215.140
Yxy	70.8780, 0.2958, 0.3245
Android (android.graphics.Color)	4291485667 (0xFFCADFE3)
YUV	217.1770, 4.8427, -13.3102
Hunter-Lab	84.1891, -10.3432, 0.5160

Details

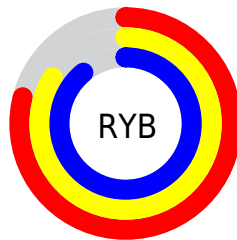
The XYZ color **64.6099, 70.8780, 82.9486** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4108, 64.7373, 64.9789**, and the grayscale version is **66.0510, 69.4908, 75.6754**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6618, 37.2797, 44.4513** is the 20% darker color. If you saturate the color by 10%, you get **57.9553, 66.0253, 82.3638**, and if you desaturate by 10%, it is **72.1929, 76.2440, 83.5858**.

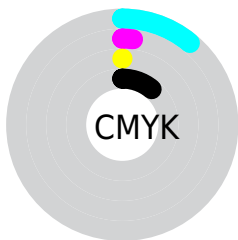
Distribution



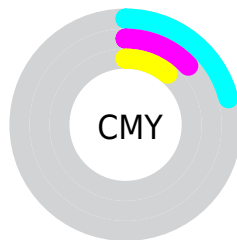
- Red (79%)
- Green (87%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6099, 70.8780, 82.9486 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 64.6099, 70.8780, 82.9486 by changing the saturation by 10% instead.

■ 64.6099, 70.8780,
82.9486

■ 64.6099, 70.8780,
82.9486

430.9562,
463.6268, 524.7817

■ 47.4084, 52.2426,
61.6074

110.5577,
120.4600, 139.3521

■ 33.5679, 37.1985,
44.2818

140.0346,
152.1754, 175.2514

■ 22.7232, 25.3612,
30.5533

174.3340,
189.0197, 216.8405

■ 14.5088, 16.3464,
20.0033

213.8213,
231.3771, 264.5379

■ 8.5594, 9.7696,
12.2134

258.8618,
279.6322, 318.7622

■ 4.5097, 5.2465,
6.7649

309.8209,

■ 1.9944, 2.3926,

334.1692, 379.9319

3.2393

367.0639,
395.3726, 448.4656

■ 0.6308, 0.8221,
1.2181

■ 0.0000, 0.0000,
0.0000

■ 64.6099, 70.8780,
82.9486

■ 64.6099, 70.8780,
82.9486

■ 57.9553, 66.0253,
82.3638

■ 72.1929, 76.2440,
83.5858

■ 52.1835, 61.6565,
81.8247

■ 80.7351, 82.1335,
84.2724

■ 47.2542, 57.7525,
81.3310

■ 84.4974, 85.5902,
84.7413

■ 43.1216, 54.2894,
80.8804

■ 85.5405, 87.6765,
85.0890

39.7354, 51.2412,
80.4705

86.6050, 89.8054,
85.4438

37.0393, 48.5787,
80.0987

87.6908, 91.9771,
85.8057

34.9692, 46.2686,
79.7619

88.7982, 94.1918,
86.1749

33.4480, 44.2709,
79.4564

89.9272, 96.4499,
86.5512

32.4335, 42.6824,
79.2033

90.8653, 98.3261,
86.8639

Harmonies

Analogous

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



64.0191, 70.8780, 78.0547



64.6099, 70.8780, 82.9486



65.9402, 70.8780, 86.4043

Triad

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



64.6099, 70.8780, 82.9486



70.5176, 70.8780, 81.3644



67.0616, 70.8780, 67.8263

Complementary

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



64.6099, 70.8780, 82.9486



64.4108, 64.7373, 64.9789

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.



68.8151, 70.8780, 68.6258



64.6099, 70.8780, 82.9486



70.8305, 70.8780, 76.3001

Square

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



64.6099, 70.8780, 82.9486



69.3546, 70.8780, 85.4618



70.2023, 70.8780, 71.6740



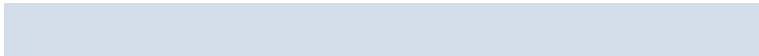
65.4185, 70.8780, 69.4403

Rectangle

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



64.6099, 70.8780, 82.9486



67.0782, 70.8780, 87.3481



70.2023, 70.8780, 71.6740



67.6575, 70.8780, 67.8225

Sweetspot

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



64.6119, 70.8810, 82.9502



91.9024, 97.8000, 108.6413



62.9375, 71.9400, 68.8031



19.4950, 20.8096, 23.2391



0.0000, 0.0000, 0.0000



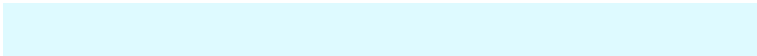
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6119, 70.8810, 82.9502



82.2209, 90.9112, 107.8218



61.4555, 64.5682, 81.8980



14.6010, 15.9233, 18.4483



18.9868, 25.0358, 46.2148



1.4559, 1.9557, 3.4327

Inverse Universe

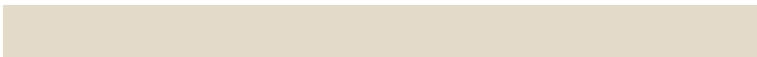
The Inverse Universe completely reimagines the original color for something new.



66.1199, 63.9010, 78.6648



84.5298, 80.3063, 101.2419



67.4766, 70.8689, 66.0008



14.8909, 14.5736, 17.6260



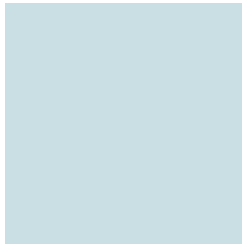
23.9772, 11.7251, 29.8385



1.7985, 0.8771, 2.3453

Previews

White Background



This preview shows how the XYZ color 64.6099, 70.8780, 82.9486 looks on a white background.

Color Contrast Check

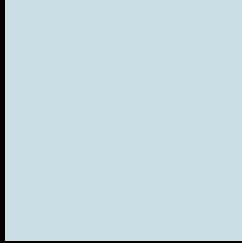
Large Text (above 18pt) WCAG AA × Fail

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 64.6099, 70.8780, 82.9486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

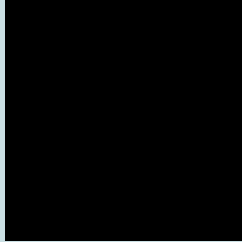
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6099, 70.8780, 82.9486

Background



This preview shows how black text looks on a background with the XYZ color 64.6099, 70.8780, 82.9486.

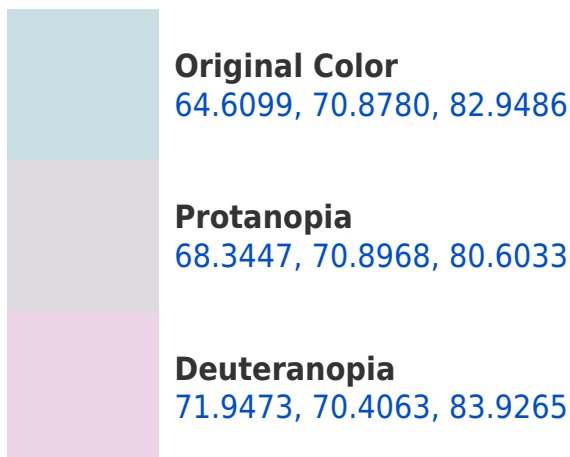


This preview shows how white text looks on a background with the XYZ color 64.6099, 70.8780,

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

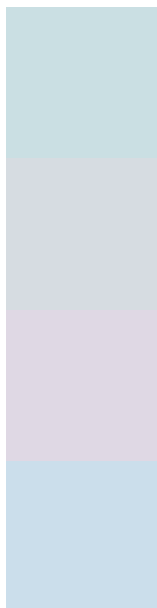




Tritanopia

66.3383, 70.7823, 91.8273

Trichromacy



Original Color

64.6099, 70.8780, 82.9486

Protanomaly

66.9154, 70.9188, 81.3960

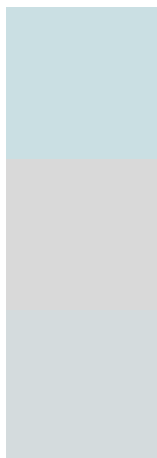
Deuteranomaly

68.9909, 70.4011, 83.3514

Tritanomaly

65.7453, 70.9372, 88.8244

Monochromacy



Original Color

64.6099, 70.8780, 82.9486

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.5340, 69.8805, 78.4409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6099, 70.8780, 82.9486 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(202, 223, 227)` looks like.

```
.text, #text, p{  
    color:rgb(202, 223, 227)  
}
```

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(202, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 223, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.6099, 70.8780, 82.9486 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(202, 223, 227) }
```


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

```
.border{ border-color:rgb(202, 223, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 223, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 223, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 223, 227);  
box-shadow:4px 4px 4px 4px rgb(202, 223,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6099, 70.8780, 82.9486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 223, 227) }
```

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

```
.background{ background-color: rgb(202,  
223, 227) }
```

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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