

Converting Colors

XYZ(63.7909, 72.4668, 84.5910)

Have a look what the booklet for
XYZ(63.7909, 72.4668, 84.5910)
contains.

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Color

**XYZ(63.8786, 72.4814,
84.7523)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E4E5
RGB	193, 228, 229
RGB Percent	76%, 89%, 90%
CMY	0.2431, 0.1059, 0.1020
CMYK	0.16, 0.00, 0.00, 0.10
HSL	182°, 41%, 83%
HSV	182°, 16%, 90%
XYZ	63.8786, 72.4814, 84.7523
YIQ	217.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

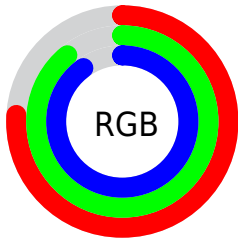
Format	Color
R_{YB}	193, 211, 229
Decimal	12707045
CIE _{Lab}	88.20, -11.17, -4.32
CIE _{LCh}	88, 11.976, 201.150
Yxy	72.4814, 0.2889, 0.3278
Android (android.graphics.Color)	4290897125 (0xFFC1E4E5)
YUV	217.6490, 5.5960, -21.6172
Hunter-Lab	85.1360, -15.0573, 0.5724

Details

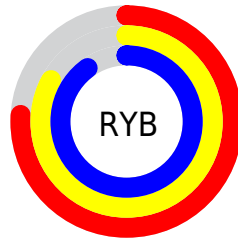
The XYZ color **63.8786, 72.4814, 84.7523** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2311, 59.0919, 58.6321**, and the grayscale version is **66.3737, 69.8303, 76.0452**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.2310, 38.4321, 45.7111** is the 20% darker color. If you saturate the color by 10%, you get **58.3133, 69.3558, 84.4435**, and if you desaturate by 10%, it is **70.3527, 76.0803, 85.1069**.

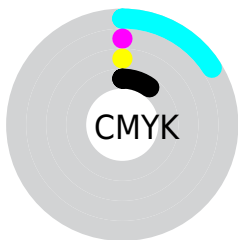
Distribution



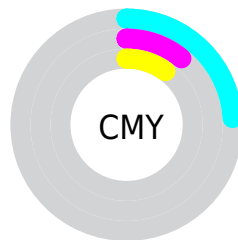
- Red (76%)
- Green (89%)
- Blue (90%)



- Red (76%)
- Yellow (83%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (24%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8786, 72.4814, 84.7523 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 63.8786, 72.4814, 84.7523 by changing the saturation by 10% instead.

63.8786, 72.4814,
84.7523

63.8786, 72.4814,
84.7523

428.3603,
469.2155, 530.9313

46.8137, 53.5520,
63.0878

109.5108,
122.7407, 141.8981

33.0957, 38.2436,
45.4708

138.8088,
154.8394, 178.2165

22.3594, 26.1718,
31.4827

172.9151,
192.0967, 220.2566

14.2393, 16.9522,
20.7052

212.1952,
234.8970, 268.4369

8.3701, 10.2004,
12.7195

257.0145,
283.6246, 323.1760

4.3864, 5.5321,
7.1072

307.7381,

1.9230, 2.5627,

338.6639, 384.8924

3.4498

364.7316,
400.3994, 454.0046

■ 0.5901, 0.9079,
1.3286

■ 0.0000, 0.0000,
0.0851

■ 63.8786, 72.4814,
84.7523

■ 63.8786, 72.4814,
84.7523

■ 58.3133, 69.3558,
84.4435

■ 70.3527, 76.0803,
85.1069

■ 53.6090, 66.6731,
84.1736

■ 77.7680, 80.1634,
85.5042

■ 49.7231, 64.4132,
83.9422

■ 83.6541, 83.4592,
85.8301

■ 46.6070, 62.5511,
83.7470

■ 83.8308, 83.8126,
85.8890

44.2066, 61.0589,
83.5855

84.0081, 84.1673,
85.9481

42.4612, 59.9054,
83.4549

84.1861, 84.5233,
86.0075

41.2998, 59.0538,
83.3517

84.3648, 84.8806,
86.0670

40.6352, 58.4593,
83.2720

84.5440, 85.2391,
86.1268

40.4401, 58.2512,
83.2421

84.7240, 85.5990,
86.1867

Harmonies

Analogous

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



63.5885, 72.4814, 76.5165



63.8786, 72.4814, 84.7523



65.4921, 72.4814, 91.8601

Triad

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



63.8786, 72.4814, 84.7523



73.2728, 72.4814, 89.2398



69.7427, 72.4814, 64.3301

Complementary

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



63.8786, 72.4814, 84.7523



61.2311, 59.0919, 58.6321

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.



72.4064, 72.4814, 67.2559



63.8786, 72.4814, 84.7523



74.4812, 72.4814, 81.3731

Square

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



63.8786, 72.4814, 84.7523



70.8989, 72.4814, 94.5733



74.1598, 72.4814, 73.3615



66.9222, 72.4814, 65.0968

Rectangle

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



63.8786, 72.4814, 84.7523



67.1262, 72.4814, 94.8178



74.1598, 72.4814, 73.3615



70.6873, 72.4814, 64.9065

Sweetspot

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



63.8807, 72.4844, 84.7539



90.4013, 97.4365, 108.6502



59.7057, 71.2545, 61.4117



19.2150, 20.7810, 23.2483



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.



63.8807, 72.4844, 84.7539



78.9901, 91.0876, 108.0262



59.2820, 63.2869, 83.2210



14.7714, 16.2643, 18.5051



23.1368, 33.3357, 47.5982



1.7206, 2.4851, 3.5210

Inverse Universe

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



65.3883, 60.4009, 81.6144



81.2787, 72.8018, 103.2476



65.3836, 67.3968, 60.0162



14.9770, 14.6080, 18.0791



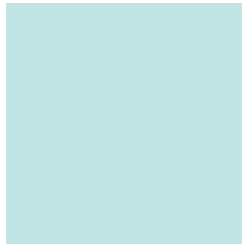
26.0719, 12.5630, 40.8691



1.9321, 0.9306, 3.0490

Previews

White Background



This preview shows how the XYZ color 63.8786, 72.4814, 84.7523 looks on a white background.

Color Contrast Check

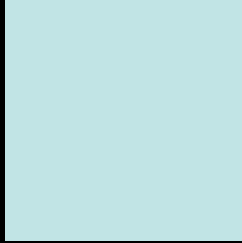
Large Text (above 18pt) WCAG AA × Fail

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 63.8786, 72.4814, 84.7523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

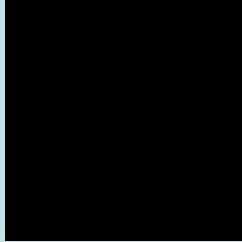
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8786, 72.4814, 84.7523

Background



This preview shows how black text looks on a background with the XYZ color 63.8786, 72.4814, 84.7523.

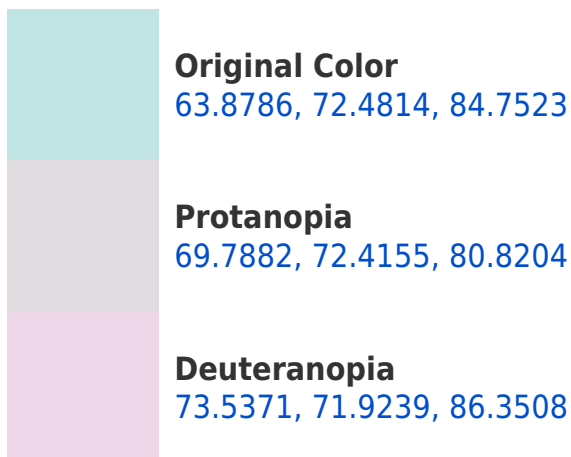


This preview shows how white text looks on a background with the XYZ color 63.8786, 72.4814,

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

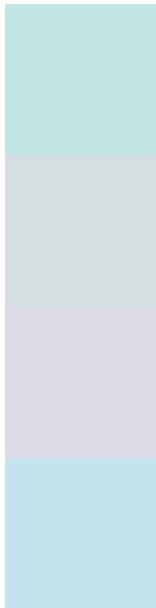




Tritanopia

66.2904, 72.6601, 96.1189

Trichromacy



Original Color

63.8786, 72.4814, 84.7523

Protanomaly

67.5557, 72.4125, 82.3679

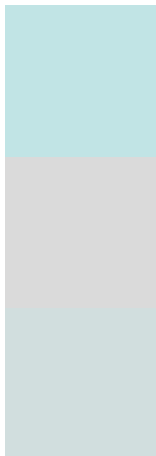
Deuteranomaly

69.5741, 71.8047, 85.7941

Tritanomaly

65.5547, 72.7723, 92.2527

Monochromacy



Original Color

63.8786, 72.4814, 84.7523

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.6006, 71.0718, 79.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8786, 72.4814, 84.7523 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(193, 228, 229) looks like.

```
.text, #text, p{  
    color:rgb(193, 228, 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(193, 228, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 229) }
```

Border

The CSS property to change the border of an element to XYZ 63.8786, 72.4814, 84.7523 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(193, 228, 229) }
```


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

```
.border{ border-color:rgb(193, 228, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 228, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 228, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 228, 229); box-shadow:4px 4px 4px 4px rgb(193, 228, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8786, 72.4814, 84.7523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 228, 229) }
```

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

```
.background{ background-color: rgb(193,  
228, 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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