

Converting Colors

XYZ(64.2871, 72.6280, 86.4218)

Have a look what the booklet for
XYZ(64.2871, 72.6280, 86.4218)
contains.

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Color

**XYZ(64.1595, 72.5938,
86.2317)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E4E7
RGB	193, 228, 231
RGB Percent	76%, 89%, 91%
CMY	0.2431, 0.1059, 0.0941
CMYK	0.16, 0.01, 0.00, 0.09
HSL	185°, 44%, 83%
HSV	185°, 16%, 91%
XYZ	64.1595, 72.5938, 86.2317
YIQ	217.8770, -21.8230, -6.4870

Conversions

Conversions Part 2

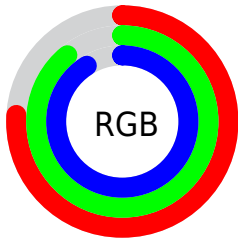
Format	Color
RYB	193, 211, 231
Decimal	12707047
CIELab	88.25, -10.76, -5.29
CIElCh	88, 11.991, 206.190
Yxy	72.5938, 0.2877, 0.3256
Android (android.graphics.Color)	4290897127 (0xFFC1E4E7)
YUV	217.8770, 6.4696, -21.8171
Hunter-Lab	85.2020, -14.6880, -0.3651

Details

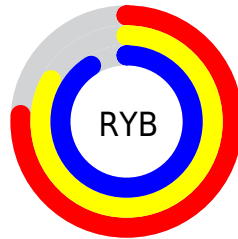
The XYZ color **64.1595, 72.5938, 86.2317** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3210, 60.3189, 58.8114**, and the grayscale version is **66.5251, 69.9896, 76.2187**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.3289, 38.4713, 46.2265** is the 20% darker color. If you saturate the color by 10%, you get **58.2266, 68.7971, 85.8127**, and if you desaturate by 10%, it is **71.0217, 76.8812, 86.6987**.

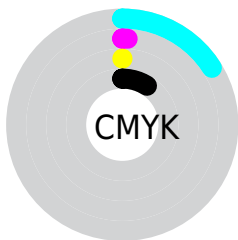
Distribution



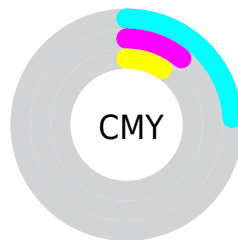
- Red (76%)
- Green (89%)
- Blue (91%)



- Red (76%)
- Yellow (83%)
- Blue (91%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1595, 72.5938, 86.2317 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 64.1595, 72.5938, 86.2317 by changing the saturation by 10% instead.

64.1595, 72.5938,
86.2317

64.1595, 72.5938,
86.2317

429.3585,
469.6058, 535.9454

47.0420, 53.6439,
64.3036

109.9131,
122.9004, 143.9822

33.2770, 38.3170,
46.4489

139.2799,
155.0258, 180.6416

22.4990, 26.2288,
32.2489

173.4605,
192.3119, 223.0486

14.3426, 16.9949,
21.2853

212.8203,
235.1431, 271.6217

8.4427, 10.2309,
13.1395

257.7247,
283.9036, 326.7793

4.4336, 5.5523,
7.3928

308.5389,

1.9503, 2.5748,

338.9780, 388.9402

3.6268

365.6284,
400.7506, 458.5227

■ 0.6058, 0.9140,
1.4229

■ 0.0000, 0.0000,
0.1595

■ 64.1595, 72.5938,
86.2317

■ 64.1595, 72.5938,
86.2317

■ 58.2266, 68.7971,
85.8127

■ 71.0217, 76.8812,
86.6987

■ 53.1740, 65.4601,
85.4349

■ 78.8467, 81.6710,
87.2108

■ 48.9580, 62.5622,
85.0978

■ 84.9362, 85.5739,
87.6432

■ 45.5284, 60.0774,
84.7989

■ 85.4559, 86.6134,
87.8165

42.8297, 57.9772,
84.5358

85.9810, 87.6637,
87.9915

40.7990, 56.2292,
84.3054

86.5115, 88.7246,
88.1683

39.3631, 54.7953,
84.1043

87.0474, 89.7963,
88.3470

38.4295, 53.6282,
83.9283

87.5886, 90.8788,
88.5274

38.1641, 53.2497,
83.8692

88.1353, 91.9721,
88.7096

Harmonies

Analogous

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



63.6323, 72.5938, 77.9959



64.1595, 72.5938, 86.2317



65.9701, 72.5938, 92.9282

Triad

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



64.1595, 72.5938, 86.2317



73.6902, 72.5938, 88.1754



69.3659, 72.5938, 64.2856

Complementary

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



64.1595, 72.5938, 86.2317



62.3210, 60.3189, 58.8114

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.



72.1176, 72.5938, 66.6135



64.1595, 72.5938, 86.2317



74.6576, 72.5938, 80.0980

Square

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



64.1595, 72.5938, 86.2317



71.4649, 72.5938, 94.1039



74.0743, 72.5938, 72.2640



66.5890, 72.5938, 65.6802

Rectangle

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



64.1595, 72.5938, 86.2317



67.6882, 72.5938, 95.4208



74.0743, 72.5938, 72.2640



70.3251, 72.5938, 64.6542

Sweetspot

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



64.1616, 72.5968, 86.2333



90.1939, 97.0217, 108.5811



60.4802, 72.4548, 62.7453



19.1644, 20.6798, 23.2315



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.



64.1616, 72.5968, 86.2333



77.4422, 89.0380, 107.7122



59.3325, 62.9385, 84.6236



14.7051, 16.1316, 18.4830



21.4375, 29.9371, 47.0317



1.6132, 2.2703, 3.4852

Inverse Universe

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



66.0302, 60.7318, 81.6445



80.2420, 71.4094, 100.8028



66.7636, 69.2040, 60.2922



14.9435, 14.5946, 17.9028



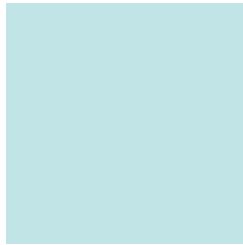
25.2142, 12.2199, 36.3524



1.8779, 0.9089, 2.7635

Previews

White Background



This preview shows how the XYZ color 64.1595, 72.5938, 86.2317 looks on a white background.

Color Contrast Check

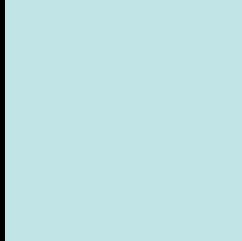
Large Text (above 18pt) WCAG AA × Fail

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 64.1595, 72.5938, 86.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

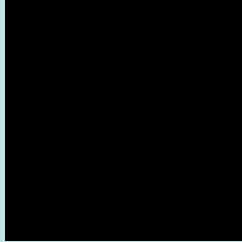
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

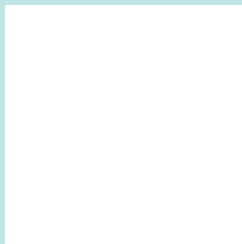
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1595, 72.5938, 86.2317

Background



This preview shows how black text looks on a background with the XYZ color 64.1595, 72.5938, 86.2317.

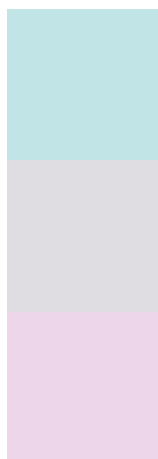


This preview shows how white text looks on a background with the XYZ color 64.1595, 72.5938,

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

64.1595, 72.5938, 86.2317

Protanopia

69.7521, 72.3654, 82.2431

Deuteranopia

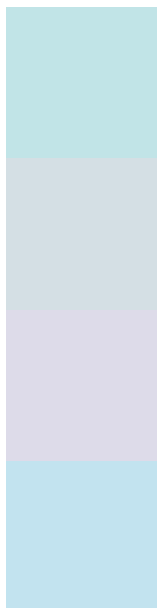
73.8229, 72.0382, 87.8558



Tritanopia

66.0312, 72.5265, 96.1067

Trichromacy



Original Color

64.1595, 72.5938, 86.2317

Protanomaly

67.5426, 72.3738, 83.8085

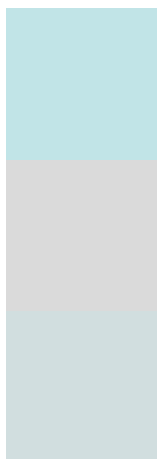
Deuteranomaly

69.8583, 71.9184, 87.2905

Tritanomaly

65.2972, 72.6395, 92.2407

Monochromacy



Original Color

64.1595, 72.5938, 86.2317

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.7351, 71.1256, 80.0760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1595, 72.5938, 86.2317 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(193, 228, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.1595, 72.5938, 86.2317 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, 231) }
```


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

```
.border{ border-color:rgb(193, 228, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(193, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1595, 72.5938, 86.2317 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, 231) }
```

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

```
.background{ background-color: rgb(193,  
228, 231) }
```

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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