

Converting Colors

XYZ(68.2769, 74.9212, 86.2708)

Have a look what the booklet for
XYZ(68.2769, 74.9212, 86.2708)
contains.

XYZ(68.1796, 74.6662, 86.4199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.1796, 74.6662,
86.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E4E7
RGB	208, 228, 231
RGB Percent	82%, 89%, 91%
CMY	0.1843, 0.1059, 0.0941
CMYK	0.10, 0.01, 0.00, 0.09
HSL	188°, 32%, 86%
HSV	188°, 10%, 91%
XYZ	68.1796, 74.6662, 86.4199
YIQ	222.3620, -12.8830, -3.3070

Conversions

Conversions Part 2

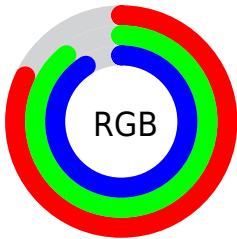
Format	Color
R _Y B	208, 219, 231
Decimal	13690087
CIE Lab	89.24, -6.02, -3.73
CIE LCh	89, 7.084, 211.798
Yxy	74.6662, 0.2974, 0.3257
Android (android.graphics.Color)	4291880167 (0xFFD0E4E7)
YUV	222.3620, 4.2585, -12.5955
Hunter-Lab	86.4096, -10.3753, 1.1897

Details

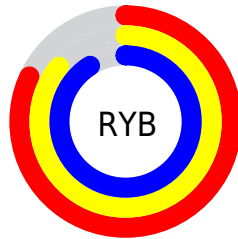
The XYZ color **68.1796, 74.6662, 86.4199** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6348, 68.1311, 69.2616**, and the grayscale version is **69.6661, 73.2942, 79.8173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8183, 39.7546, 46.3430** is the 20% darker color. If you saturate the color by 10%, you get **61.3318, 69.9196, 85.8658**, and if you desaturate by 10%, it is **75.9920, 79.9356, 87.0264**.

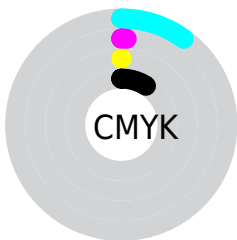
Distribution



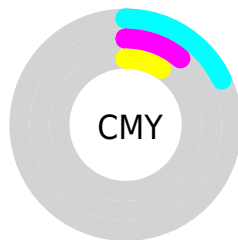
- Red (82%)
- Green (89%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1796, 74.6662, 86.4199 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 68.1796, 74.6662, 86.4199 by changing the saturation by 10% instead.

■ 68.1796, 74.6662,
86.4199

■ 68.1796, 74.6662,
86.4199

443.4988,
476.7695, 536.5814

■ 50.3181, 55.3395,
64.4584

115.6495,
125.8397, 144.2470

■ 35.8850, 39.6736,
46.5735

145.9887,
158.4553, 180.9497

■ 24.5151, 27.2841,
32.3467

181.2177,
196.2694, 223.4032

■ 15.8430, 17.7867,
21.3594

221.7020,
239.6662, 272.0260

■ 9.5032, 10.7970,
13.1932

267.8069,
289.0302, 327.2367

■ 5.1306, 5.9305,
7.4294

319.8977,

■ 2.3596, 2.8029,

344.7458, 389.4538

3.6496

378.3399,
407.1975, 459.0958

■ 0.8249, 1.0297,
1.4351

■ 0.0000, 0.0000,
0.1689

■ 68.1796, 74.6662,
86.4199

■ 68.1796, 74.6662,
86.4199

■ 61.3318, 69.9196,
85.8658

■ 75.9920, 79.9356,
87.0264

■ 55.4015, 65.6651,
85.3572

■ 84.8009, 85.7381,
87.6821

■ 50.3469, 61.8834,
84.8936

■ 85.9581, 87.6177,
87.9839

■ 46.1208, 58.5498,
84.4729

■ 86.8370, 89.3756,
88.2769

42.6712, 55.6375,
84.0926

87.7306, 91.1628,
88.5748

39.9403, 53.1165,
83.7499

88.6390, 92.9796,
88.8776

37.8619, 50.9527,
83.4418

89.5622, 94.8260,
89.1853

36.3576, 49.1054,
83.1645

90.5004, 96.7023,
89.4980

35.2928, 47.5052,
82.9118

91.4240, 98.5496,
89.8059

Harmonies

Analogous

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



67.6965, 74.6662, 81.5978



68.1796, 74.6662, 86.4199



69.4083, 74.6662, 89.9822

Triad

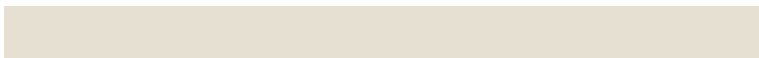
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1796, 74.6662, 86.4199



73.9385, 74.6662, 85.8822



70.8637, 74.6662, 72.1483

Complementary

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



68.1796, 74.6662, 86.4199



67.6348, 68.1311, 69.2616

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.



72.5508, 74.6662, 73.1929



68.1796, 74.6662, 86.4199



74.3432, 74.6662, 81.0005

Square

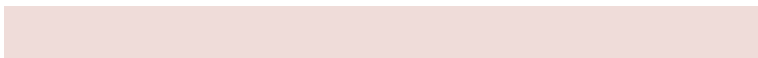
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1796, 74.6662, 86.4199



72.7343, 74.6662, 89.6629



73.8314, 74.6662, 76.3841



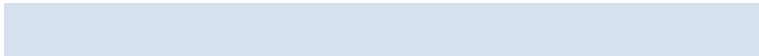
69.2305, 74.6662, 73.4717

Rectangle

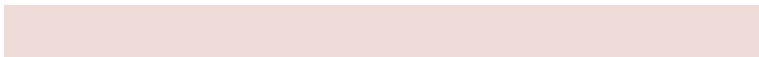
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1796, 74.6662, 86.4199



70.4947, 74.6662, 91.0920



73.8314, 74.6662, 76.3841



71.4434, 74.6662, 72.2340

Sweetspot

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



68.1818, 74.6693, 86.4216



91.9742, 97.9436, 108.6652



66.3077, 75.2503, 72.4512



19.5144, 20.8485, 23.2456



0.0000, 0.0000, 0.0000



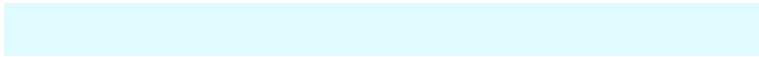
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1818, 74.6693, 86.4216



83.4159, 92.1339, 107.9949



65.2030, 68.7119, 85.4287



14.6389, 15.9991, 18.4609



19.8481, 26.7583, 46.5019



1.5115, 2.0670, 3.4513

Inverse Universe

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



69.5161, 67.7036, 82.8066



85.4180, 81.7524, 102.5555



70.5114, 73.8842, 70.2204



14.9101, 14.5812, 17.7268



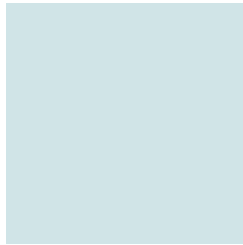
24.4119, 11.8990, 32.1277



1.8266, 0.8883, 2.4932

Previews

White Background



This preview shows how the XYZ color 68.1796, 74.6662, 86.4199 looks on a white background.

Color Contrast Check

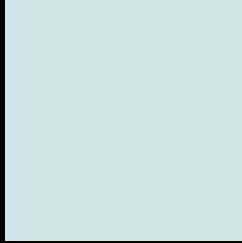
Large Text (above 18pt) WCAG AA × Fail

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 68.1796, 74.6662, 86.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

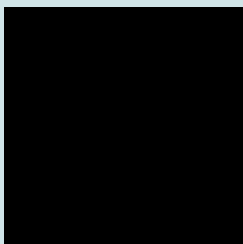
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

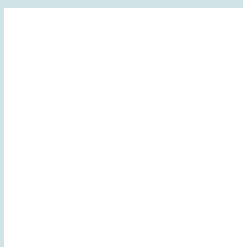
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1796, 74.6662, 86.4199

Background



This preview shows how black text looks on a background with the XYZ color 68.1796, 74.6662, 86.4199.

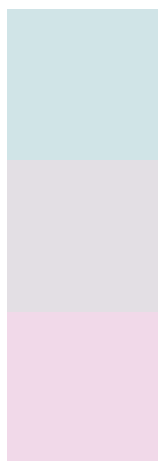


This preview shows how white text looks on a background with the XYZ color 68.1796, 74.6662,

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

68.1796, 74.6662, 86.4199

Protanopia

72.0698, 74.7077, 84.0203

Deuteranopia

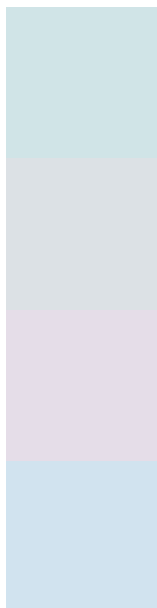
75.7965, 74.2097, 87.4198



Tritanopia

70.1038, 74.6260, 96.2973

Trichromacy



Original Color

68.1796, 74.6662, 86.4199

Protanomaly

70.5833, 74.7232, 84.8316

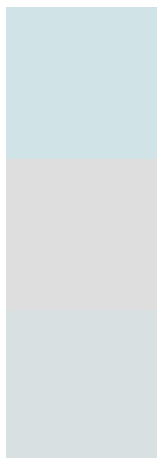
Deuteranomaly

72.7350, 74.1971, 86.8319

Tritanomaly

69.3436, 74.7255, 92.4300

Monochromacy



Original Color

68.1796, 74.6662, 86.4199

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.8615, 73.4993, 81.7915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1796, 74.6662, 86.4199 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(208, 228, 231) looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.1796, 74.6662, 86.4199 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(208, 228, 231) }
```


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

```
.border{ border-color:rgb(208, 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(208, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(208, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1796, 74.6662, 86.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 228, 231) }
```

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

```
.background{ background-color: rgb(208,  
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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