

Converting Colors

XYZ(69.7468, 78.9645, 86.4364)

Have a look what the booklet for
XYZ(69.7468, 78.9645, 86.4364)
contains.

XYZ(69.7320, 78.8259, 86.4026)	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(69.7320, 78.8259,
86.4026)**

Conversions

Conversions Part 1

Format	Color
Hex	CEECE6
RGB	206, 236, 230
RGB Percent	81%, 93%, 90%
CMY	0.1921, 0.0745, 0.0980
CMYK	0.13, 0.00, 0.03, 0.07
HSL	168°, 44%, 87%
HSV	168°, 13%, 93%
XYZ	69.7320, 78.8259, 86.4026
YIQ	226.3460, -15.9540, -8.2260

Conversions

Conversions Part 2

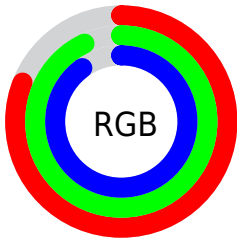
Format	Color
R _Y B	206, 223, 236
Decimal	13561062
CIE Lab	91.16, -10.92, -0.41
CIE LCh	91, 10.928, 182.157
Yxy	78.8259, 0.2968, 0.3355
Android (android.graphics.Color)	4291751142 (0xFFCEECE6)
YUV	226.3460, 1.8014, -17.8434
Hunter-Lab	88.7840, -15.1758, 4.4490

Details

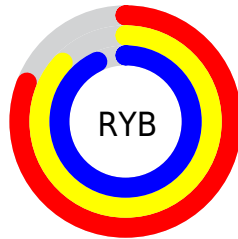
The XYZ color **69.7320, 78.8259, 86.4026** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5499, 66.7311, 71.5583**, and the grayscale version is **72.5366, 76.3141, 83.1061**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8216, 42.3170, 46.7847** is the 20% darker color. If you saturate the color by 10%, you get **63.0121, 75.4394, 82.6744**, and if you desaturate by 10%, it is **77.4582, 82.7334, 90.2750**.

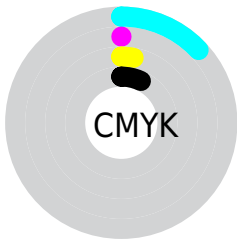
Distribution



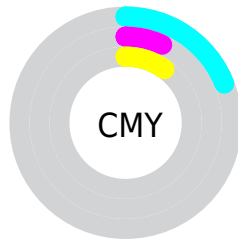
- Red (81%)
- Green (93%)
- Blue (90%)



- Red (81%)
- Yellow (87%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (19%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7320, 78.8259, 86.4026 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 69.7320, 78.8259, 86.4026 by changing the saturation by 10% instead.

69.7320, 78.8259,
86.4026

69.7320, 78.8259,
86.4026

448.8896,
490.9672, 536.5230

51.5869, 58.7527,
64.4441

117.8548,
131.7137, 144.2227

36.8988, 42.4141,
46.5620

148.5633,
165.2971, 180.9214

25.3025, 29.4256,
32.3377

184.1902,
204.1527, 223.3706

16.4325, 19.4030,
21.3526

225.1010,
248.6649, 271.9888

9.9235, 11.9619,
13.1882

271.6609,
299.2180, 327.1946

5.4101, 6.7177,
7.4260

324.2354,

2.5271, 3.2862,

356.1965, 389.4066

3.6475

383.1899,
419.9848, 459.0432

■ 0.9089, 1.2829,
1.4340

■ 0.0000, 0.1279,
0.1680

■ 69.7320, 78.8259,
86.4026

■ 69.7320, 78.8259,
86.4026

■ 63.0121, 75.4394,
82.6744

■ 77.4582, 82.7334,
90.2750

■ 57.2478, 72.5413,
79.0823


■ 86.2249, 87.1730,
94.2890


■ 52.3942, 70.1107,
75.6252


■ 87.5917, 87.7957,
98.0519

■ 48.4002, 68.1212,
72.2999


■ 88.3188, 88.0866,
101.8807


 45.2094, 66.5437,
69.1029

 89.0644, 88.3848,
105.8071

 42.7587, 65.3458,
66.0307

 89.2869, 88.4738,
106.9790

 40.9752, 64.4899,
63.0790

 39.7709, 63.9305,
60.2429

 39.1586, 63.6585,
58.2439

Harmonies

Analogous

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



70.3169, 78.8259, 78.9093



69.7320, 78.8259, 86.4026



70.5090, 78.8259, 94.1923

Triad

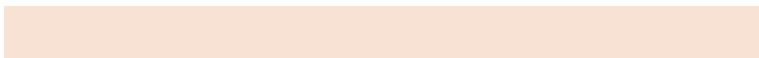
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7320, 78.8259, 86.4026



77.7880, 78.8259, 99.3786



77.4330, 78.8259, 73.0527

Complementary

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



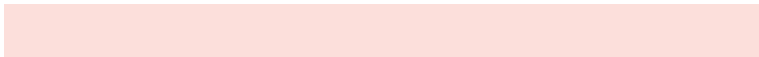
69.7320, 78.8259, 86.4026



68.5499, 66.7311, 71.5583

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.



79.5147, 78.8259, 77.9741



69.7320, 78.8259, 86.4026



79.7231, 78.8259, 93.1397

Square

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



69.7320, 78.8259, 86.4026



75.1220, 78.8259, 101.9652



80.3626, 78.8259, 85.2560



74.7216, 78.8259, 71.4901

Rectangle

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



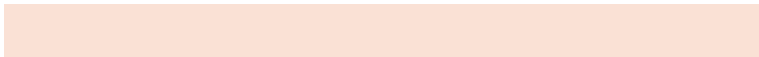
69.7320, 78.8259, 86.4026



71.7062, 78.8259, 98.4261



80.3626, 78.8259, 85.2560



78.2319, 78.8259, 74.3535

Sweetspot

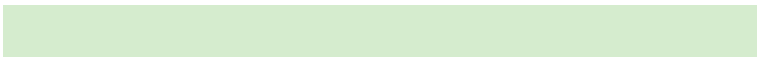
The Sweet Spot groups the original color and five complimentary colors.



69.7342, 78.8292, 86.4044



91.0695, 97.9858, 107.0076



68.4343, 78.5220, 69.9432



19.3372, 20.8944, 22.8285



0.0000, 0.0000, 0.0000



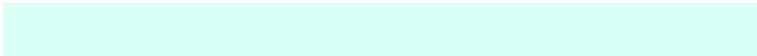
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7342, 78.8292, 86.4044



81.1430, 92.9702, 101.9447



68.2024, 74.3929, 90.1254



15.3810, 17.0672, 18.6891



21.6313, 35.1070, 32.3530



1.7313, 2.7698, 2.7131

Inverse Universe

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



68.5499, 66.7311, 71.5583



79.4978, 76.1607, 81.3188



69.9086, 70.6381, 68.3437



15.1887, 15.1033, 16.2789



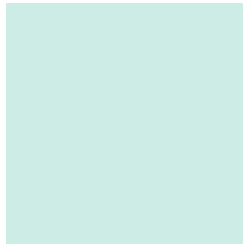
19.3897, 9.9586, 2.5875



1.5560, 0.7954, 0.3795

Previews

White Background



This preview shows how the XYZ color 69.7320, 78.8259, 86.4026 looks on a white background.

Color Contrast Check

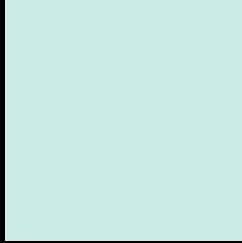
Large Text (above 18pt) WCAG AA × Fail

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 69.7320, 78.8259, 86.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

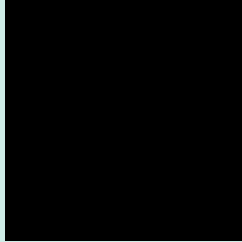
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

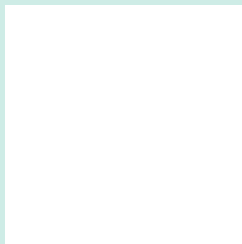
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7320, 78.8259, 86.4026

Background



This preview shows how black text looks on a background with the XYZ color 69.7320, 78.8259, 86.4026.

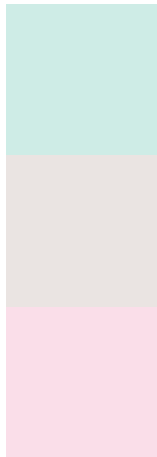


This preview shows how white text looks on a background with the XYZ color 69.7320, 78.8259,

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

69.7320, 78.8259, 86.4026

Protanopia

75.4026, 78.4702, 83.1236

Deuteranopia

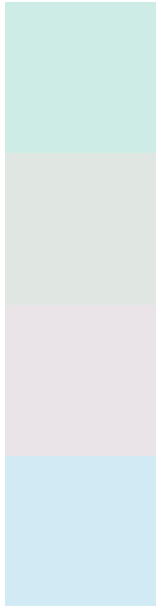
80.2536, 78.4497, 88.0033



Tritanopia

73.1298, 78.9445, 102.6502

Trichromacy



Original Color

69.7320, 78.8259, 86.4026

Protanomaly

73.1815, 78.5452, 83.9767

Deuteranomaly

75.9663, 78.2568, 87.4452

Tritanomaly

71.8950, 78.8720, 96.2286

Monochromacy



Original Color

69.7320, 78.8259, 86.4026

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3754, 77.1997, 83.8122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7320, 78.8259, 86.4026 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(206, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(206, 236, 230)  
}
```

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(206, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 236, 230) }
```

Border

The CSS property to change the border of an element to XYZ 69.7320, 78.8259, 86.4026 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(206, 236, 230) }
```


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

```
.border{ border-color:rgb(206, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 236,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7320, 78.8259, 86.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 236, 230) }
```

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

```
.background{ background-color: rgb(206,  
236, 230) }
```

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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