

Converting Colors

XYZ(69.3077, 78.5100, 85.4281)

Have a look what the booklet for
XYZ(69.3077, 78.5100, 85.4281)
contains.

XYZ(69.3151, 78.6272, 85.6520)	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(69.3151, 78.6272,
85.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	CDECE5
RGB	205, 236, 229
RGB Percent	80%, 93%, 90%
CMY	0.1961, 0.0745, 0.1020
CMYK	0.13, 0.00, 0.03, 0.07
HSL	166°, 45%, 86%
HSV	166°, 13%, 93%
XYZ	69.3151, 78.6272, 85.6520
YIQ	225.9330, -16.2290, -8.7490

Conversions

Conversions Part 2

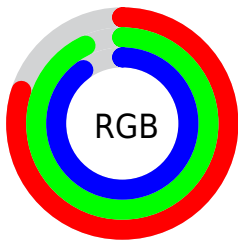
Format	Color
RYB	205, 222, 236
Decimal	13495525
CIELab	91.07, -11.43, -0.03
CIELCh	91, 11.433, 180.145
Yxy	78.6272, 0.2967, 0.3366
Android (android.graphics.Color)	4291685605 (0xFFCDECE5)
YUV	225.9330, 1.5120, -18.3582
Hunter-Lab	88.6720, -15.6421, 4.7997

Details

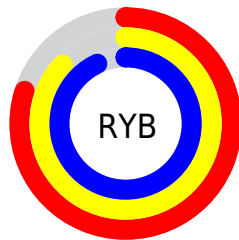
The XYZ color **69.3151, 78.6272, 85.6520** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3098, 66.2509, 71.4782**, and the grayscale version is **72.2400, 76.0021, 82.7663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7237, 42.2778, 46.2693** is the 20% darker color. If you saturate the color by 10%, you get **62.5571, 75.2302, 81.5107**, and if you desaturate by 10%, it is **77.0824, 82.5462, 89.9632**.

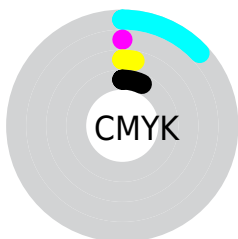
Distribution



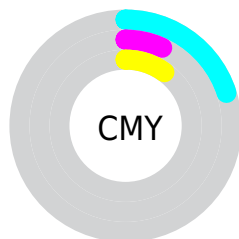
- Red (80%)
- Green (93%)
- Blue (90%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



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



- Cyan (20%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3151, 78.6272, 85.6520 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 69.3151, 78.6272, 85.6520 by changing the saturation by 10% instead.

69.3151, 78.6272,
85.6520

69.3151, 78.6272,
85.6520

447.4455,
490.2943, 533.9838

51.2459, 58.5893,
63.8270

117.2631,
131.4339, 143.1660

36.6262, 42.2826,
46.0653

147.8727,
164.9715, 179.6921

25.0906, 29.3227,
31.9483

183.3931,
203.7779, 221.9556

16.2736, 19.3250,
21.0575

224.1898,
248.2374, 270.3751

9.8101, 11.9054,
12.9744

270.6280,
298.7343, 325.3691

5.3345, 6.6793,
7.2804

323.0731,

2.4816, 3.2623,

355.6532, 387.3562

3.5570

381.8905,
419.3784, 456.7549

■ 0.8860, 1.2702,
1.3856

■ 0.0000, 0.1179,
0.1304

■ 69.3151, 78.6272,
85.6520

■ 69.3151, 78.6272,
85.6520

■ 62.5571, 75.2302,
81.5107

■ 77.0824, 82.5462,
89.9632

■ 56.7576, 72.3225,
77.5308

■ 85.8936, 86.9985,
94.4420

■ 51.8716, 69.8832,
73.7110

■ 87.7177, 87.8462,
98.7152

■ 47.8476, 67.8856,
70.0476

■ 88.5435, 88.1765,
103.0642

■ 44.6290, 66.3007,
66.5370

■ 89.2869, 88.4739,
106.9790

■ 42.1521, 65.0957,
63.1750

■ 40.3435, 64.2327,
59.9571

■ 39.1144, 63.6659,
56.8780

■ 38.5123, 63.4000,
54.8400

Harmonies

Analogous

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



70.0185, 78.6272, 77.9349



69.3151, 78.6272, 85.6520



70.0320, 78.6272, 93.8510

Triad

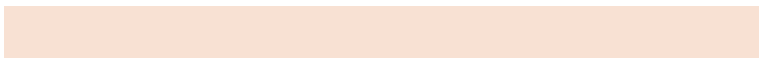
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3151, 78.6272, 85.6520



77.5569, 78.6272, 100.1169



77.5319, 78.6272, 72.5437

Complementary

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



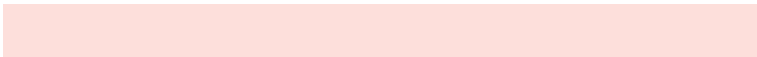
69.3151, 78.6272, 85.6520



68.3098, 66.2509, 71.4782

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.



79.6394, 78.6272, 77.8693



69.3151, 78.6272, 85.6520



79.6541, 78.6272, 93.7767

Square

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



69.3151, 78.6272, 85.6520



74.7469, 78.6272, 102.5238



80.4257, 78.6272, 85.5713



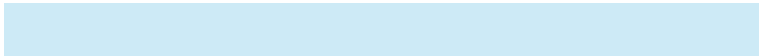
74.7187, 78.6272, 70.6698

Rectangle

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



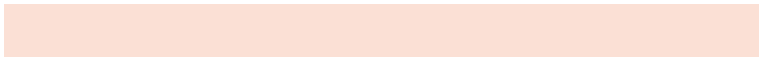
69.3151, 78.6272, 85.6520



71.2297, 78.6272, 98.4126



80.4257, 78.6272, 85.5713



78.3490, 78.6272, 73.9719

Sweetspot

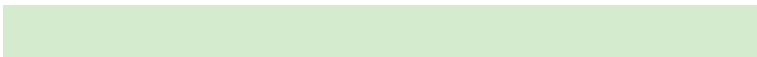
The Sweet Spot groups the original color and five complimentary colors.



69.3173, 78.6305, 85.6537



91.0276, 97.9690, 106.7869



68.2360, 78.4339, 69.3015



19.3266, 20.8901, 22.7725



0.0000, 0.0000, 0.0000



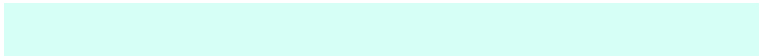
20.3446, 21.4041, 23.3091

Same Dimension

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



69.3173, 78.6305, 85.6537



80.1513, 92.4868, 100.6420



67.9896, 74.3783, 90.1338



15.3636, 17.0603, 18.5976



21.2789, 34.9660, 30.4973



1.7065, 2.7599, 2.5823

Inverse Universe

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



68.3098, 66.2509, 71.4782



78.7127, 74.8046, 80.3969



69.4755, 69.9657, 67.6017



15.2048, 15.1098, 16.3638



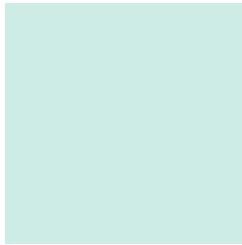
19.4662, 9.9892, 2.9906



1.5642, 0.7987, 0.4226

Previews

White Background



This preview shows how the XYZ color 69.3151, 78.6272, 85.6520 looks on a white background.

Color Contrast Check

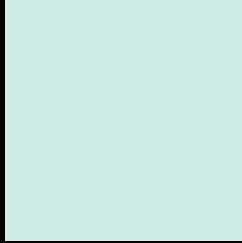
Large Text (above 18pt) WCAG AA × Fail

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 69.3151, 78.6272, 85.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

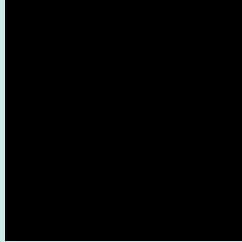
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

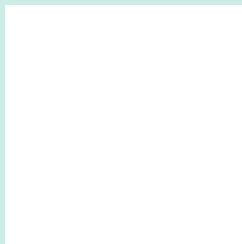
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3151, 78.6272, 85.6520

Background



This preview shows how black text looks on a background with the XYZ color 69.3151, 78.6272, 85.6520.



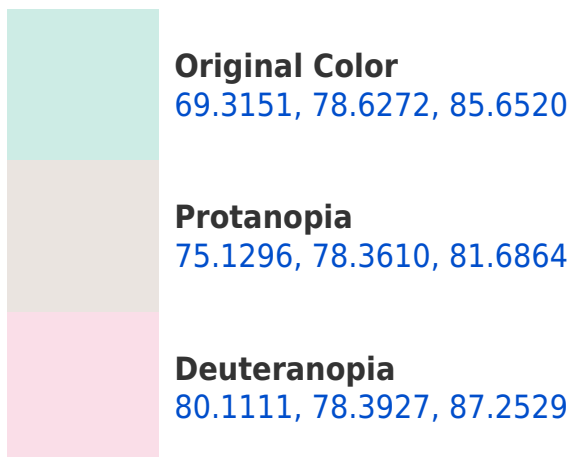
This preview shows how white text looks on a background with the XYZ color 69.3151, 78.6272,

85.6520.

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

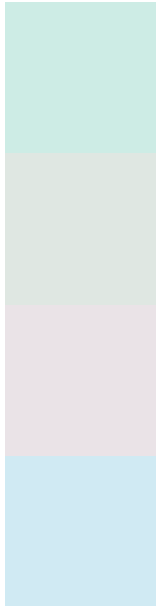




Tritanopia

72.8460, 78.7982, 102.6370

Trichromacy



Original Color

69.3151, 78.6272, 85.6520

Protanomaly

72.7348, 78.3308, 83.2373

Deuteranomaly

75.8246, 78.2001, 86.6991

Tritanomaly

71.6129, 78.7266, 96.2154

Monochromacy



Original Color

69.3151, 78.6272, 85.6520

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0754, 77.0451, 83.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3151, 78.6272, 85.6520 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(205, 236, 229) looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 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(205, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 229) }
```

Border

The CSS property to change the border of an element to XYZ 69.3151, 78.6272, 85.6520 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(205, 236, 229) }
```


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

```
.border{ border-color:rgb(205, 236, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 236, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 236, 229); box-shadow:4px 4px 4px 4px rgb(205, 236, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3151, 78.6272, 85.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 236, 229) }
```

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

```
.background{ background-color: rgb(205,  
236, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor