

Converting Colors

XYZ(69.0765, 77.3893, 78.3148)

Have a look what the booklet for
XYZ(69.0765, 77.3893, 78.3148)
contains.

XYZ(69.0765, 77.3893, 78.3148)	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(69.0765, 77.3893,
78.3148)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E9DB
RGB	212, 233, 219
RGB Percent	83%, 91%, 86%
CMY	0.1686, 0.0863, 0.1412
CMYK	0.09, 0.00, 0.06, 0.09
HSL	140°, 32%, 87%
HSV	140°, 9%, 91%
XYZ	69.0765, 77.3893, 78.3148
YIQ	225.1250, -8.0220, -8.8060

Conversions

Conversions Part 2

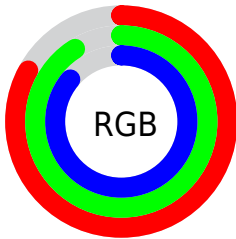
Format	Color
R_{YB}	212, 228, 233
Decimal	13953499
CIE Lab	90.50, -9.51, 4.43
CIE LCh	91, 10.494, 155.049
Yxy	77.3893, 0.3073, 0.3443
Android (android.graphics.Color)	4292143579 (0xFFD4E9DB)
YUV	225.1250, -3.0196, -11.5106
Hunter-Lab	87.9712, -13.7883, 8.7980

Details

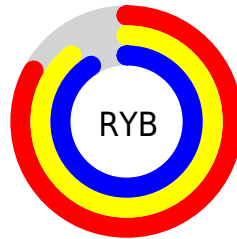
The XYZ color **69.0765, 77.3893, 78.3148** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8780, 69.9036, 81.7122**, and the grayscale version is **71.6849, 75.4181, 82.1303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3276, 41.2927, 41.1776** is the 20% darker color. If you saturate the color by 10%, you get **60.8878, 73.3955, 67.7497**, and if you desaturate by 10%, it is **78.4297, 81.9658, 89.9340**.

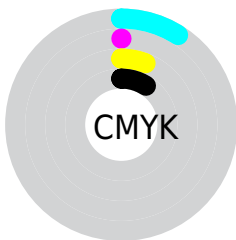
Distribution



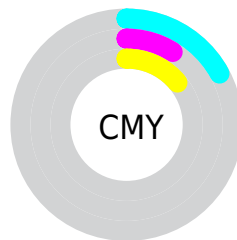
- Red (83%)
- Green (91%)
- Blue (86%)



- Red (83%)
- Yellow (89%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0765, 77.3893, 78.3148 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 69.0765, 77.3893, 78.3148 by changing the saturation by 10% instead.

■ 69.0765, 77.3893,
78.3148

■ 69.0765, 77.3893,
78.3148

446.6179,
486.0903, 508.7915

■ 51.0509, 57.5724,
57.8146

116.9243,
129.6889, 132.7837

■ 36.4703, 41.4650,
41.2459

147.4772,
162.9404, 167.5895

■ 24.9694, 28.6826,
28.1901

182.9366,
201.4389, 208.0010

■ 16.1829, 18.8409,
18.2288

223.6678,
245.5688, 254.4366

■ 9.7453, 11.5553,
10.9432

270.0361,
295.7145, 307.3149

■ 5.2914, 6.4417,
5.9150

322.4070,

■ 2.4557, 3.1155,

352.2604, 367.0544

2.7255

381.1458,
415.5909, 434.0738

■ 0.8730, 1.1923,
0.9562

■ 0.0000, 0.0554,
0.0000

■ 69.0765, 77.3893,
78.3148

■ 69.0765, 77.3893,
78.3148

■ 60.8878, 73.3955,
67.7497

■ 78.4297, 81.9658,
89.9340

■ 53.8107, 69.9510,
58.2043

■ 87.6469, 86.4473,
102.5678

■ 47.7975, 67.0342,
49.6497

■ 88.4304, 86.7607,
106.6935

■ 42.7947, 64.6181,
42.0537

■ 38.7438, 62.6733,
35.3824

■ 35.5802, 61.1671,
29.5997

■ 33.2306, 60.0626,
24.6673

■ 31.6091, 59.3163,
20.5437

■ 30.5872, 58.8628,
17.1826

Harmonies

Analogous

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



70.6971, 77.3893, 72.9808



69.0765, 77.3893, 78.3148



68.6446, 77.3893, 85.5416

Triad

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



69.0765, 77.3893, 78.3148



74.0010, 77.3893, 99.4903



77.7639, 77.3893, 76.2363

Complementary

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



69.0765, 77.3893, 78.3148



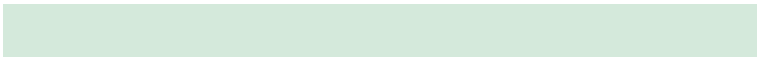
70.8780, 69.9036, 81.7122

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.



78.6966, 77.3893, 82.9988



69.0765, 77.3893, 78.3148



76.4914, 77.3893, 96.6536

Square

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



69.0765, 77.3893, 78.3148



71.4486, 77.3893, 98.0535



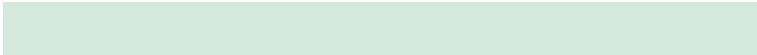
78.2255, 77.3893, 90.5067



75.7049, 77.3893, 71.8317

Rectangle

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



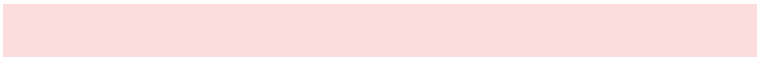
69.0765, 77.3893, 78.3148



69.0800, 77.3893, 90.5299



78.2255, 77.3893, 90.5067



78.2218, 77.3893, 78.2937

Sweetspot

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



69.0787, 77.3926, 78.3165



91.4809, 98.2537, 104.5033



72.4994, 79.2603, 73.7662



19.3813, 20.9328, 22.1208



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.



69.0787, 77.3926, 78.3165



82.6065, 93.9163, 93.3583



70.4567, 77.9438, 85.5731



15.0754, 16.9450, 17.0798



17.3587, 33.3979, 9.8539



1.4063, 2.6398, 1.0012

Inverse Universe

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



70.8780, 69.9036, 81.7122



85.2765, 82.8033, 98.3966



69.5254, 69.3626, 74.5897



15.4890, 15.2235, 17.8604



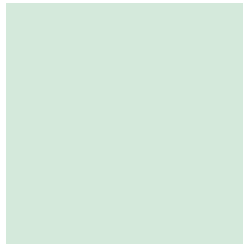
22.5012, 11.2032, 18.9723



1.8112, 0.8974, 1.7231

Previews

White Background



This preview shows how the XYZ color 69.0765, 77.3893, 78.3148 looks on a white background.

Color Contrast Check

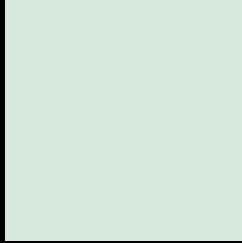
Large Text (above 18pt) WCAG AA × Fail

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 69.0765, 77.3893, 78.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

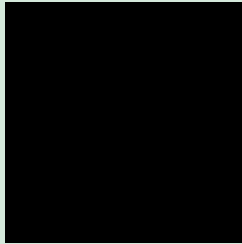
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

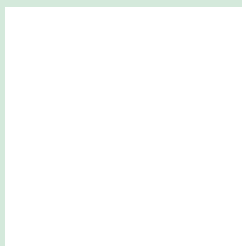
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0765, 77.3893, 78.3148

Background



This preview shows how black text looks on a background with the XYZ color 69.0765, 77.3893, 78.3148.

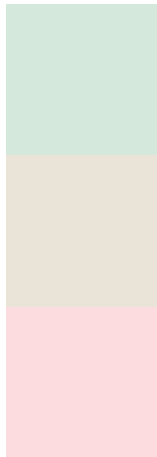


This preview shows how white text looks on a background with the XYZ color 69.0765, 77.3893,

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

69.0765, 77.3893, 78.3148

Protanopia

73.6665, 77.3369, 75.3348

Deuteranopia

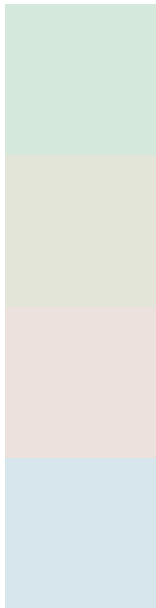
78.9229, 77.1558, 79.8401



Tritanopia

73.4231, 77.5057, 99.0860

Trichromacy



Original Color

69.0765, 77.3893, 78.3148

Protanomaly

71.7780, 77.1652, 76.0770

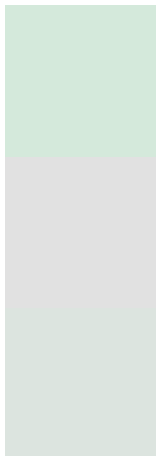
Deuteranomaly

74.9014, 77.0754, 79.3359

Tritanomaly

71.6072, 77.1551, 91.2391

Monochromacy



Original Color

69.0765, 77.3893, 78.3148

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.5779, 76.0302, 80.7675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0765, 77.3893, 78.3148 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(212, 233, 219) looks like.

```
.text, #text, p{  
    color:rgb(212, 233, 219)  
}
```

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(212, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 233, 219) }
```

Border

The CSS property to change the border of an element to XYZ 69.0765, 77.3893, 78.3148 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(212, 233, 219) }
```


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

```
.border{ border-color:rgb(212, 233, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 233, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 233, 219);  
box-shadow:4px 4px 4px 4px rgb(212, 233,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0765, 77.3893, 78.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 233, 219) }
```

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

```
.background{ background-color: rgb(212,  
233, 219) }
```

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