

Converting Colors

XYZ(66.3629, 78.1377, 77.7962)

Have a look what the booklet for
XYZ(66.3629, 78.1377, 77.7962)
contains.

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Color

**XYZ(66.5181, 78.2168,
77.9211)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EEDA
RGB	198, 238, 218
RGB Percent	78%, 93%, 85%
CMY	0.2235, 0.0666, 0.1451
CMYK	0.17, 0.00, 0.08, 0.07
HSL	150°, 54%, 85%
HSV	150°, 17%, 93%
XYZ	66.5181, 78.2168, 77.9211
YIQ	223.7600, -17.4200, -14.7000

Conversions

Conversions Part 2

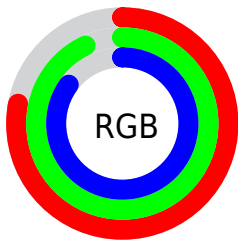
Format	Color
RYB	198, 225, 238
Decimal	13037274
CIELab	90.88, -16.77, 5.38
CIELCh	91, 17.607, 162.208
Yxy	78.2168, 0.2987, 0.3513
Android (android.graphics.Color)	4291227354 (0xFFC6EEDA)
YUV	223.7600, -2.8397, -22.5915
Hunter-Lab	88.4403, -20.5162, 9.6702

Details

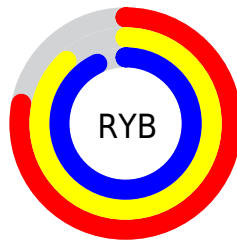
The XYZ color **66.5181, 78.2168, 77.9211** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1116, 63.6292, 75.0249**, and the grayscale version is **70.7105, 74.3930, 81.0139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8404, 42.0295, 40.9266** is the 20% darker color. If you saturate the color by 10%, you get **59.2292, 74.6350, 69.7408**, and if you desaturate by 10%, it is **74.9090, 82.3581, 86.7401**.

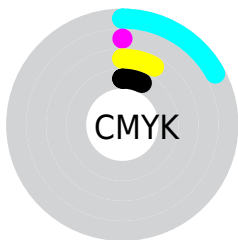
Distribution



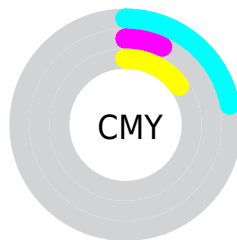
- Red (78%)
- Green (93%)
- Blue (85%)



- Red (78%)
- Yellow (88%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5181, 78.2168, 77.9211 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 66.5181, 78.2168, 77.9211 by changing the saturation by 10% instead.

66.5181, 78.2168,
77.9211

66.5181, 78.2168,
77.9211

437.6870,
488.9028, 507.4197

48.9624, 58.2521,
57.4931

113.2832,
130.8557, 132.2237

34.8040, 42.0113,
40.9893

143.2233,
164.2987, 166.9355

23.6778, 29.1102,
27.9911

178.0223,
203.0032, 207.2455

15.2182, 19.1642,
18.0799

218.0454,
247.3537, 253.5725

9.0600, 11.7890,
10.8374

263.6581,
297.7345, 306.3348

4.8377, 6.6002,
5.8448

315.2257,

2.1862, 3.2133,

354.5300, 365.9511

2.6837

373.1135,
418.1246, 432.8399

■ 0.7354, 1.2441,
0.9352

■ 0.0000, 0.0973,
0.0000

■ 66.5181, 78.2168,
77.9211

■ 66.5181, 78.2168,
77.9211

■ 59.2292, 74.6350,
69.7408

■ 74.9090, 82.3581,
86.7401

■ 52.9876, 71.5781,
62.1795

■ 84.4405, 87.0721,
96.2064

■ 47.7433, 69.0232,
55.2241

■ 89.6583, 89.5489,
106.0780

■ 43.4399, 66.9411,
48.8587

■ 89.8660, 89.6320,
107.1720

■ 40.0147, 65.3000,
43.0670

■ 37.3971, 64.0638,
37.8316

■ 35.5047, 63.1902,
33.1341

■ 34.2332, 62.6259,
28.9543

■ 33.9053, 62.4838,
27.7240

Harmonies

Analogous

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



68.7618, 78.2168, 68.3320



66.5181, 78.2168, 77.9211



66.3188, 78.2168, 90.4322

Triad

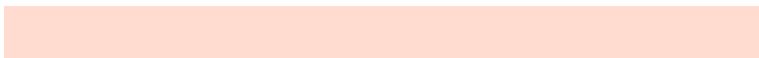
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5181, 78.2168, 77.9211



76.1599, 78.2168, 111.3227



80.8370, 78.2168, 69.7942

Complementary

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



66.5181, 78.2168, 77.9211



68.1116, 63.6292, 75.0249

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.



82.9891, 78.2168, 80.1060



66.5181, 78.2168, 77.9211



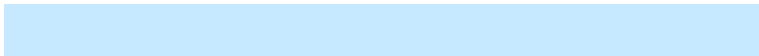
80.2177, 78.2168, 104.5571

Square

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



66.5181, 78.2168, 77.9211



71.7684, 78.2168, 110.5885



82.7581, 78.2168, 92.8441



76.9779, 78.2168, 63.9707

Rectangle

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



66.5181, 78.2168, 77.9211



67.3611, 78.2168, 98.8505



82.7581, 78.2168, 92.8441



81.7908, 78.2168, 72.8045

Sweetspot

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



66.5203, 78.2201, 77.9228



89.5042, 97.2577, 103.3710



69.8835, 80.2383, 65.2314



18.9966, 20.7376, 21.9626



0.0000, 0.0000, 0.0000



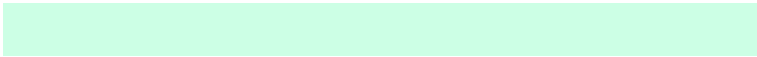
20.3446, 21.4041, 23.3091

Same Dimension

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



66.5203, 78.2201, 77.9228



74.8743, 90.0424, 87.9273



69.2007, 79.2923, 92.0379



15.8955, 17.7882, 18.4726



18.9802, 34.8841, 15.8106



1.6292, 2.9221, 1.5798

Inverse Universe

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



68.1116, 63.6292, 75.0249



77.0460, 70.1310, 83.9727



65.7264, 62.6751, 62.4645



16.1025, 15.8907, 18.0958



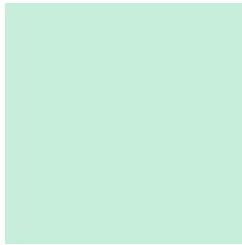
21.5948, 10.9104, 11.0489



1.8467, 0.9277, 1.1836

Previews

White Background



This preview shows how the XYZ color 66.5181, 78.2168, 77.9211 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 66.5181, 78.2168, 77.9211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

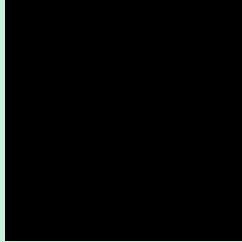
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

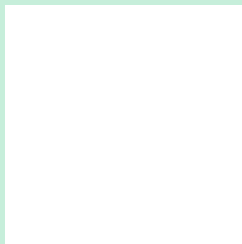
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5181, 78.2168, 77.9211

Background



This preview shows how black text looks on a background with the XYZ color 66.5181, 78.2168, 77.9211.



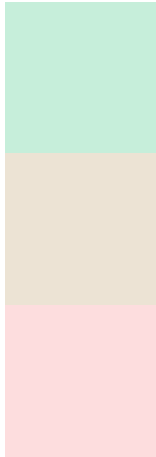
This preview shows how white text looks on a background with the XYZ color 66.5181, 78.2168,

77.9211.

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

66.5181, 78.2168, 77.9211

Protanopia

73.9448, 77.5245, 73.3538

Deuteranopia

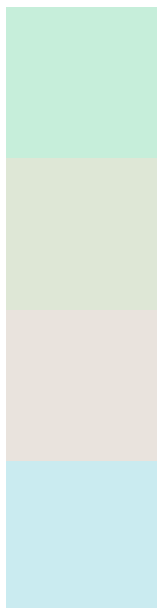
79.5493, 77.8695, 79.9449



Tritanopia

71.6114, 78.1435, 103.4043

Trichromacy



Original Color

66.5181, 78.2168, 77.9211

Protanomaly

70.8377, 77.5365, 74.8508

Deuteranomaly

74.1245, 77.4823, 79.4554

Tritanomaly

69.7936, 78.2645, 93.8661

Monochromacy



Original Color

66.5181, 78.2168, 77.9211

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.2285, 75.7596, 80.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5181, 78.2168, 77.9211 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(198, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(198, 238, 218)  
}
```

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(198, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 238, 218) }
```

Border

The CSS property to change the border of an element to XYZ 66.5181, 78.2168, 77.9211 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(198, 238, 218) }
```


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

```
.border{ border-color:rgb(198, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(198, 238,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5181, 78.2168, 77.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 238, 218) }
```

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

```
.background{ background-color: rgb(198,  
238, 218) }
```

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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