

Converting Colors

XYZ(67.0318, 78.0167, 92.7664)

Have a look what the booklet for
XYZ(67.0318, 78.0167, 92.7664)
contains.

XYZ(66.9934, 78.1409, 92.4407)	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(66.9934, 78.1409,
92.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEEEE
RGB	189, 238, 238
RGB Percent	74%, 93%, 93%
CMY	0.2588, 0.0666, 0.0667
CMYK	0.21, 0.00, 0.00, 0.07
HSL	180°, 59%, 84%
HSV	180°, 21%, 93%
XYZ	66.9934, 78.1409, 92.4407
YIQ	223.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

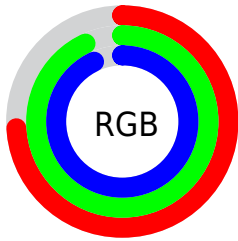
Format	Color
R _Y B	189, 214, 238
Decimal	12447470
CIE Lab	90.84, -15.56, -5.16
CIE LCh	91, 16.396, 198.360
Yxy	78.1409, 0.2820, 0.3289
Android (android.graphics.Color)	4290637550 (0xFFBDEEEE)
YUV	223.3490, 7.2229, -30.1241
Hunter-Lab	88.3973, -19.4161, -0.1238

Details

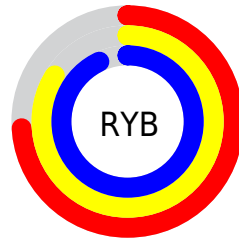
The XYZ color **66.9934, 78.1409, 92.4407** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6455, 58.2486, 56.0886**, and the grayscale version is **70.3543, 74.0182, 80.6058**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.1631, 41.9842, 50.5064** is the 20% darker color. If you saturate the color by 10%, you get **61.5677, 75.3459, 92.1873**, and if you desaturate by 10%, it is **73.3925, 81.4417, 92.7430**.

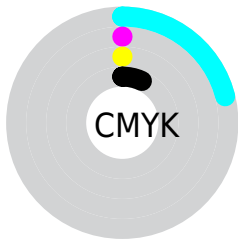
Distribution



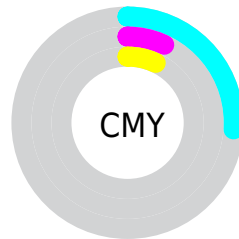
- Red (74%)
- Green (93%)
- Blue (93%)



- Red (74%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9934, 78.1409, 92.4407 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 66.9934, 78.1409, 92.4407 by changing the saturation by 10% instead.

66.9934, 78.1409,
92.4407

66.9934, 78.1409,
92.4407

439.3541,
488.6452, 556.7124

49.3499, 58.1897,
69.4216

113.9608,
130.7487, 152.6890

35.1128, 41.9612,
50.5813

144.0155,
164.1742, 190.7554

23.9167, 29.0709,
35.5011

178.9379,
202.8598, 234.6746

15.3963, 19.1345,
23.7625

219.0935,
247.1901, 284.8652

9.1861, 11.7675,
14.9470

264.8475,
297.5494, 341.7458

4.9208, 6.5856,
8.6360

316.5654,

2.2352, 3.2043,

354.3221, 405.7348

4.4109

374.6125,
417.8925, 477.2508

■ 0.7612, 1.2393,
1.8534

■ 0.0000, 0.0935,
0.4628

■ 66.9934, 78.1409,
92.4407

■ 66.9934, 78.1409,
92.4407

■ 61.5677, 75.3459,
92.1873

■ 73.3925, 81.4417,
92.7430

■ 57.0613, 73.0228,
91.9753

■ 80.8020, 85.2615,
93.0909

■ 53.4253, 71.1484,
91.8040

■ 87.2494, 88.5852,
93.3937

■ 50.6036, 69.6938,
91.6708

■ 87.2496, 88.5853,
93.3949

■ 48.5335, 68.6266,
91.5728

■ 87.2498, 88.5854,
93.3960

■ 47.1432, 67.9099,
91.5066

■ 87.2501, 88.5855,
93.3972

■ 46.3470, 67.4995,
91.4682

■ 87.2503, 88.5856,
93.3983

■ 46.0070, 67.3243,
91.4512

■ 87.2505, 88.5856,
93.3994

■ 87.2507, 88.5857,
93.4006

Harmonies

Analogous

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



66.7690, 78.1409, 80.5805



66.9934, 78.1409, 92.4407



69.1236, 78.1409, 103.2147

Triad

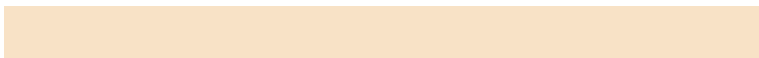
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9934, 78.1409, 92.4407



80.3580, 78.1409, 101.0874



75.8825, 78.1409, 64.7145

Complementary

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



66.9934, 78.1409, 92.4407



62.6455, 58.2486, 56.0886

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.



79.6670, 78.1409, 69.2083



66.9934, 78.1409, 92.4407



82.3140, 78.1409, 89.7485

Square

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



66.9934, 78.1409, 92.4407



76.7974, 78.1409, 108.5165



82.0565, 78.1409, 78.1249



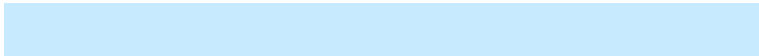
71.7998, 78.1409, 65.2906

Rectangle

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



66.9934, 78.1409, 92.4407



71.3836, 78.1409, 107.9944



82.0565, 78.1409, 78.1249



77.2344, 78.1409, 65.6640

Sweetspot

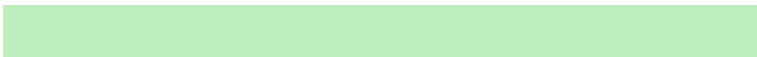
The Sweet Spot groups the original color and five complimentary colors.



66.9957, 78.1441, 92.4425



89.6433, 97.2127, 108.6462



60.9516, 75.7499, 59.5543



19.0671, 20.7455, 23.2491



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.



66.9957, 78.1441, 92.4425



75.3582, 89.8486, 107.9751



60.5479, 65.2479, 90.2954



16.2474, 17.9290, 20.3257



25.6662, 37.5585, 51.0184



2.1352, 3.1245, 4.2443

Inverse Universe

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



62.6455, 58.2486, 56.0886



69.3573, 62.4035, 57.8264



68.1626, 69.2833, 57.9261



15.7729, 15.7589, 16.3604



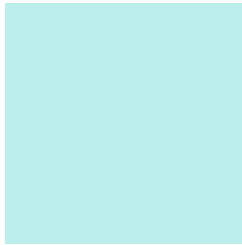
19.6715, 10.1410, 0.9209



1.6365, 0.8436, 0.0767

Previews

White Background



This preview shows how the XYZ color 66.9934, 78.1409, 92.4407 looks on a white background.

Color Contrast Check

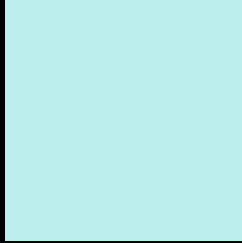
Large Text (above 18pt) WCAG AA × Fail

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 66.9934, 78.1409, 92.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

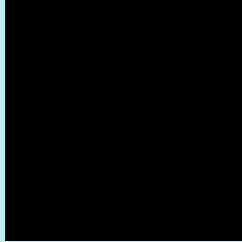
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9934, 78.1409, 92.4407

Background



This preview shows how black text looks on a background with the XYZ color 66.9934, 78.1409, 92.4407.

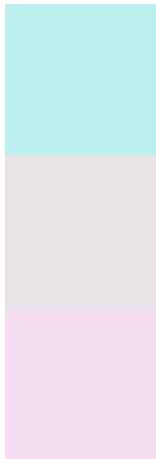


This preview shows how white text looks on a background with the XYZ color 66.9934, 78.1409,

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

66.9934, 78.1409, 92.4407

Protanopia

74.8479, 77.6966, 86.6533

Deuteranopia

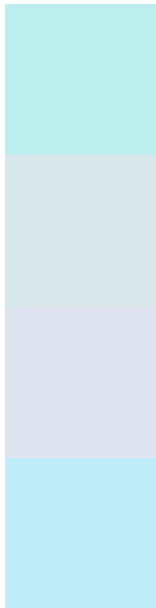
79.0419, 77.2969, 93.9729



Tritanopia

69.3360, 77.7789, 105.1244

Trichromacy



Original Color

66.9934, 78.1409, 92.4407

Protanomaly

71.7461, 77.6913, 89.0564

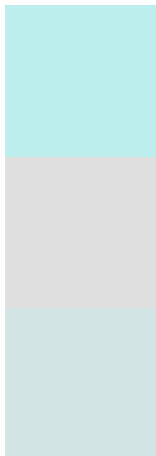
Deuteranomaly

73.9377, 77.0767, 93.4184

Tritanomaly

68.4246, 77.8446, 100.2261

Monochromacy



Original Color

66.9934, 78.1409, 92.4407

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.6110, 74.9371, 84.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9934, 78.1409, 92.4407 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(189, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(189, 238, 238)  
}
```

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(189, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 238, 238) }
```

Border

The CSS property to change the border of an element to XYZ 66.9934, 78.1409, 92.4407 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(189, 238, 238) }
```


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

```
.border{ border-color:rgb(189, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(189, 238,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9934, 78.1409, 92.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 238, 238) }
```

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

```
.background{ background-color: rgb(189,  
238, 238) }
```

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