

Converting Colors

XYZ(66.7373, 79.4137, 89.2924)

Have a look what the booklet for
XYZ(66.7373, 79.4137, 89.2924)
contains.

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Color

**XYZ(66.8001, 79.4159,
89.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF1EA
RGB	187, 241, 234
RGB Percent	73%, 95%, 92%
CMY	0.2667, 0.0549, 0.0823
CMYK	0.22, 0.00, 0.03, 0.05
HSL	172°, 66%, 84%
HSV	172°, 22%, 95%
XYZ	66.8001, 79.4159, 89.6500
YIQ	224.0560, -29.9370, -13.6250

Conversions

Conversions Part 2

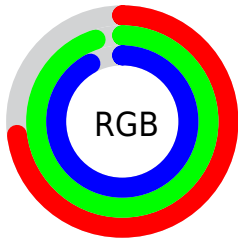
Format	Color
R_{YB}	187, 216, 241
Decimal	12317162
CIE _{Lab}	91.42, -18.48, -2.24
CIE _{LCh}	91, 18.617, 186.920
Yxy	79.4159, 0.2832, 0.3367
Android (android.graphics.Color)	4290507242 (0xFFBBF1EA)
YUV	224.0560, 4.9024, -32.4981
Hunter-Lab	89.1156, -22.1506, 2.7354

Details

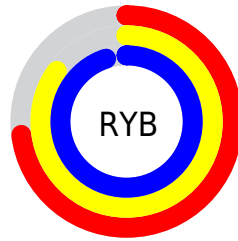
The XYZ color **66.8001, 79.4159, 89.6500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7863, 58.1386, 58.9022**, and the grayscale version is **70.8748, 74.5658, 81.2022**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.0577, 42.8988, 48.5520** is the 20% darker color. If you saturate the color by 10%, you get **60.9473, 76.4522, 87.0543**, and if you desaturate by 10%, it is **73.6548, 82.8994, 92.3373**.

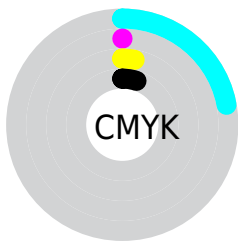
Distribution



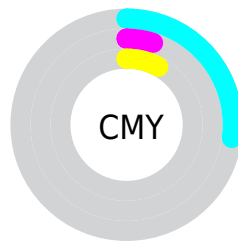
- Red (73%)
- Green (95%)
- Blue (92%)



- Red (73%)
- Yellow (85%)
- Blue (95%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (27%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8001, 79.4159, 89.6500 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 66.8001, 79.4159, 89.6500 by changing the saturation by 10% instead.

66.8001, 79.4159,
89.6500

66.8001, 79.4159,
89.6500

438.6766,
492.9622, 547.4324

49.1923, 59.2378,
67.1183

113.6853,
132.5442, 148.7834

34.9872, 42.8046,
48.7186

143.6934,
166.2632, 186.2222

23.8195, 29.7318,
34.0323

178.5657,
205.2647, 229.4671

15.3238, 19.6351,
22.6408

218.6674,
249.9329, 278.9367

9.1347, 12.1301,
14.1257

264.3640,
300.6524, 335.0495

4.8870, 6.8323,
8.0684

316.0209,

2.2152, 3.3575,

357.8075, 398.2240

4.0504

374.0033,
421.7827, 468.8787

■ 0.7507, 1.3211,
1.6530

■ 0.0000, 0.1574,
0.3282

■ 66.8001, 79.4159,
89.6500

■ 66.8001, 79.4159,
89.6500

■ 60.9473, 76.4522,
87.0543

■ 73.6548, 82.8994,
92.3373

■ 56.0401, 73.9729,
84.5423

■ 81.5506, 86.9165,
95.1132

■ 52.0273, 71.9539,
82.1131

■ 88.9315, 90.6673,
97.9068

■ 48.8497, 70.3645,
79.7637

■ 89.4086, 90.8582,
100.4193

■ 46.4414, 69.1707,
77.4908

■ 89.8938, 91.0523,
102.9743

■ 44.7258, 68.3333,
75.2906

■ 90.3871, 91.2496,
105.5721

■ 43.6111, 67.8047,
73.1586

■ 90.7467, 91.3934,
107.4656

■ 43.0586, 67.5542,
71.5802

Harmonies

Analogous

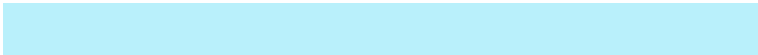
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.4126, 79.4159, 76.6460



66.8001, 79.4159, 89.6500



68.4350, 79.4159, 103.0982

Triad

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



66.8001, 79.4159, 89.6500



81.0846, 79.4159, 109.0368



79.1082, 79.4159, 64.6325

Complementary

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



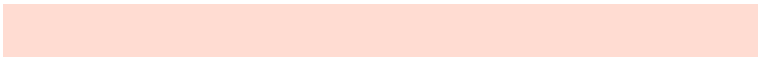
66.8001, 79.4159, 89.6500



63.7863, 58.1386, 58.9022

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.



82.9979, 79.4159, 71.7341



66.8001, 79.4159, 89.6500



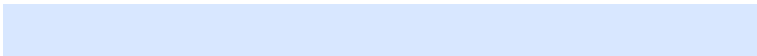
84.1719, 79.4159, 97.1004

Square

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



66.8001, 79.4159, 89.6500



76.5846, 79.4159, 115.0242



84.8863, 79.4159, 83.3669



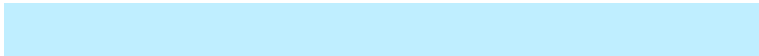
74.3909, 79.4159, 63.0824

Rectangle

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



66.8001, 79.4159, 89.6500



70.6213, 79.4159, 110.2105



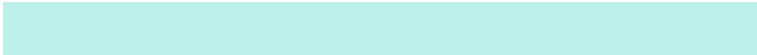
84.8863, 79.4159, 83.3669



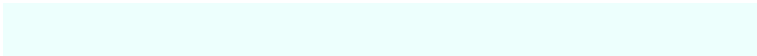
80.5617, 79.4159, 66.4106

Sweetspot

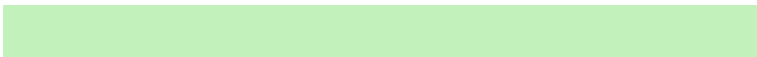
The Sweet Spot groups the original color and five complimentary colors.



66.8024, 79.4192, 89.6518



88.4147, 96.6222, 106.6558



62.7269, 77.9976, 58.7641



18.8080, 20.6219, 22.7878



0.0000, 0.0000, 0.0000



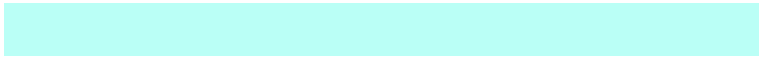
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8024, 79.4192, 89.6518



72.6917, 88.6361, 100.5236



62.2824, 68.7369, 93.2078



16.1540, 17.8916, 19.8339



23.3844, 36.6458, 39.0026



1.9697, 3.0583, 3.3729

Inverse Universe

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



63.7863, 58.1386, 58.9022



68.6897, 60.3847, 59.7114



67.5124, 66.8200, 56.3544



15.8562, 15.7922, 16.7991



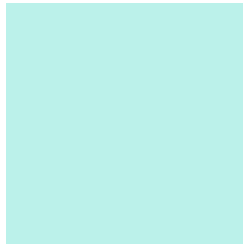
19.8344, 10.2062, 1.7784



1.6763, 0.8596, 0.2865

Previews

White Background



This preview shows how the XYZ color 66.8001, 79.4159, 89.6500 looks on a white background.

Color Contrast Check

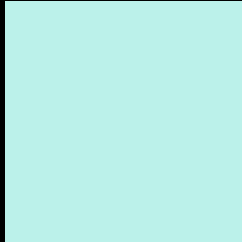
Large Text (above 18pt) WCAG AA × Fail

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 66.8001, 79.4159, 89.6500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

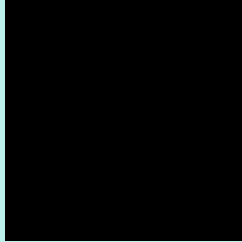
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

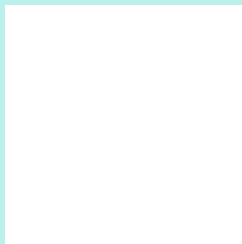
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8001, 79.4159, 89.6500

Background



This preview shows how black text looks on a background with the XYZ color 66.8001, 79.4159, 89.6500.



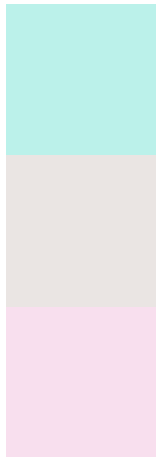
This preview shows how white text looks on a background with the XYZ color 66.8001, 79.4159,

89.6500.

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

66.8001, 79.4159, 89.6500

Protanopia

75.8161, 79.0771, 83.9405

Deuteranopia

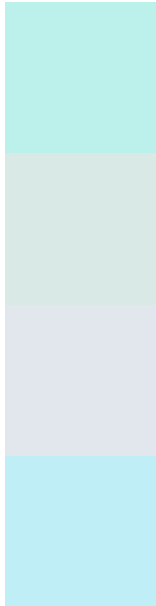
80.5317, 78.9049, 91.8746



Tritanopia

70.5823, 79.2577, 106.1859

Trichromacy



Original Color

66.8001, 79.4159, 89.6500

Protanomaly

72.0371, 78.7427, 86.2650

Deuteranomaly

74.9469, 78.8768, 91.3954

Tritanomaly

68.8489, 78.9408, 99.6041

Monochromacy



Original Color

66.8001, 79.4159, 89.6500

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.1644, 76.0439, 84.4314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8001, 79.4159, 89.6500 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(187, 241, 234)` looks like.

```
.text, #text, p{  
    color:rgb(187, 241, 234)  
}
```

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(187, 241, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.8001, 79.4159, 89.6500 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(187, 241, 234) }
```


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

```
.border{ border-color:rgb(187, 241, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 241, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 241, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 241, 234);  
box-shadow:4px 4px 4px 4px rgb(187, 241,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8001, 79.4159, 89.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 234) }
```

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

```
.background{ background-color: rgb(187,  
241, 234) }
```

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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