

Converting Colors

XYZ(66.9789, 78.9175, 88.9136)

Have a look what the booklet for
XYZ(66.9789, 78.9175, 88.9136)
contains.

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Color

**XYZ(67.1033, 79.1505,
88.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF0E9
RGB	190, 240, 233
RGB Percent	75%, 94%, 91%
CMY	0.2549, 0.0588, 0.0863
CMYK	0.21, 0.00, 0.03, 0.06
HSL	172°, 63%, 84%
HSV	172°, 21%, 94%
XYZ	67.1033, 79.1505, 88.8317
YIQ	224.2520, -27.5530, -12.7770

Conversions

Conversions Part 2

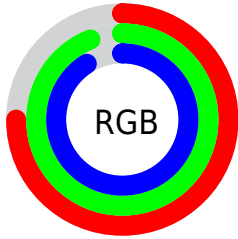
Format	Color
R _{YB}	190, 217, 240
Decimal	12513513
CIE Lab	91.30, -17.29, -1.88
CIE LCh	91, 17.395, 186.196
Yxy	79.1505, 0.2854, 0.3367
Android (android.graphics.Color)	4290703593 (0xFFBEF0E9)
YUV	224.2520, 4.3128, -30.0390
Hunter-Lab	88.9666, -21.0573, 3.0765

Details

The XYZ color **67.1033, 79.1505, 88.8317** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4295, 59.3856, 60.8934**, and the grayscale version is **71.0178, 74.7162, 81.3660**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.2296, 42.6895, 47.9781** is the 20% darker color. If you saturate the color by 10%, you get **61.1203, 76.1232, 86.0703**, and if you desaturate by 10%, it is **74.0871, 82.6968, 91.6911**.

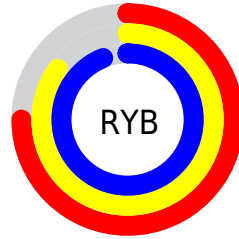
Distribution



Red (75%)

Green (94%)

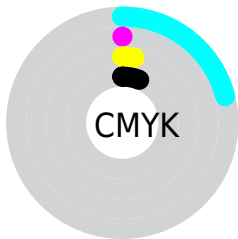
Blue (91%)



Red (75%)

Yellow (85%)

Blue (94%)

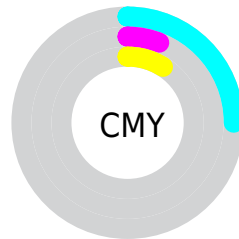


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (25%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1033, 79.1505, 88.8317 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 67.1033, 79.1505, 88.8317 by changing the saturation by 10% instead.

67.1033, 79.1505,
88.8317

67.1033, 79.1505,
88.8317

439.7391,
492.0653, 544.6948

49.4396, 59.0196,
66.4438

114.1174,
132.1707, 147.6358

35.1843, 42.6289,
48.1740

144.1985,
165.8288, 184.8891

23.9720, 29.5940,
33.6038

179.1494,
204.7647, 227.9347

15.4375, 19.5306,
22.3145

219.3355,
249.3628, 277.1910

9.2153, 12.0543,
13.8876

265.1222,
300.0075, 333.0766

4.9401, 6.7807,
7.9047

316.8748,

2.2466, 3.3253,

357.0832, 396.0101

3.9471

374.9586,
420.9744, 466.4100

0.7671, 1.3038,
1.5964

0.0000, 0.1442,
0.2882

67.1033, 79.1505,
88.8317

67.1033, 79.1505,
88.8317

61.1203, 76.1232,
86.0703

74.0871, 82.6968,
91.6911

56.0829, 73.5802,
83.3990

82.1098, 86.7756,
94.6454

51.9410, 71.4979,
80.8168

88.5921, 90.0592,
97.5759

48.6372, 69.8465,
78.3208

89.1048, 90.2643,
100.2755

■ 46.1072, 68.5930,
75.9077

■ 89.6268, 90.4731,
103.0244

■ 44.2773, 67.6995,
73.5738

■ 90.1582, 90.6857,
105.8227

■ 43.0596, 67.1204,
71.3147

■ 90.4515, 90.8030,
107.3672

■ 42.3497, 66.7983,
69.3033

Harmonies

Analogous

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



67.7284, 79.1505, 76.7376



67.1033, 79.1505, 88.8317



68.5861, 79.1505, 101.3489

Triad

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



67.1033, 79.1505, 88.8317



80.3549, 79.1505, 107.3252



78.7083, 79.1505, 65.7988

Complementary

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



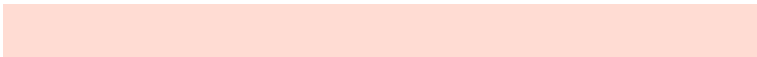
67.1033, 79.1505, 88.8317



64.4295, 59.3856, 60.8934

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.



82.2901, 79.1505, 72.6082



67.1033, 79.1505, 88.8317



83.2664, 79.1505, 96.3700

Square

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



67.1033, 79.1505, 88.8317



76.1500, 79.1505, 112.6779



83.9881, 79.1505, 83.5844



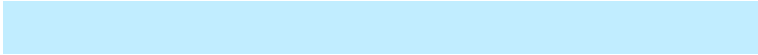
74.3178, 79.1505, 64.2029

Rectangle

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



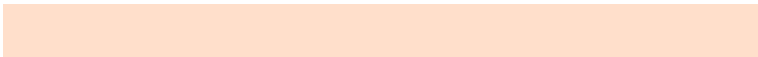
67.1033, 79.1505, 88.8317



70.6059, 79.1505, 108.0001



83.9881, 79.1505, 83.5844



80.0521, 79.1505, 67.5190

Sweetspot

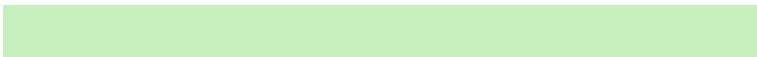
The Sweet Spot groups the original color and five complimentary colors.



67.1056, 79.1538, 88.8335



89.3003, 97.0755, 106.8401



63.6139, 77.9791, 60.4153



18.9857, 20.7130, 22.8207



0.0000, 0.0000, 0.0000



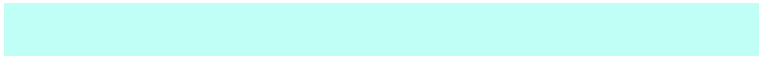
20.3446, 21.4041, 23.3091

Same Dimension

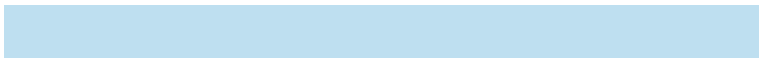
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1056, 79.1538, 88.8335



73.9543, 89.2870, 100.5827



63.2201, 69.7497, 92.5728



16.1466, 17.8887, 19.7948



23.2193, 36.5797, 38.1332



1.9576, 3.0535, 3.3089

Inverse Universe

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



64.4295, 59.3856, 60.8934



70.3716, 62.8092, 63.1674



67.6663, 67.1139, 58.1045



15.8630, 15.7949, 16.8345



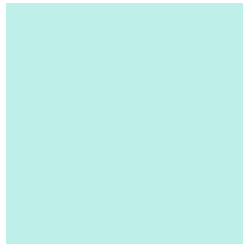
19.8547, 10.2143, 1.8857



1.6795, 0.8609, 0.3033

Previews

White Background



This preview shows how the XYZ color 67.1033, 79.1505, 88.8317 looks on a white background.

Color Contrast Check

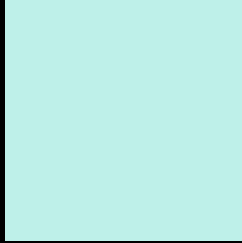
Large Text (above 18pt) WCAG AA × Fail

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 67.1033, 79.1505, 88.8317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

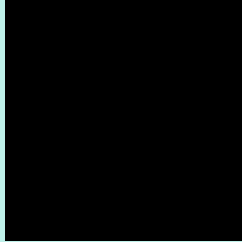
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

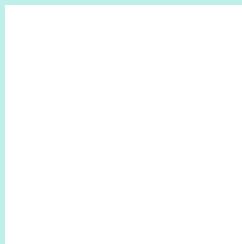
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1033, 79.1505, 88.8317

Background



This preview shows how black text looks on a background with the XYZ color 67.1033, 79.1505, 88.8317.

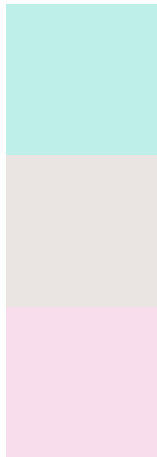


This preview shows how white text looks on a background with the XYZ color 67.1033, 79.1505,

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

67.1033, 79.1505, 88.8317

Protanopia

75.4026, 78.4702, 83.1236

Deuteranopia

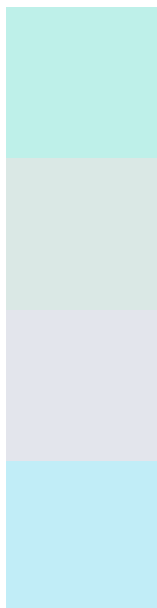
80.1187, 78.3134, 91.0141



Tritanopia

70.5511, 78.8130, 106.1017

Trichromacy



Original Color

67.1033, 79.1505, 88.8317

Protanomaly

71.9129, 78.2758, 85.4473

Deuteranomaly

74.8382, 78.4256, 90.5501

Tritanomaly

69.0650, 78.6212, 99.5310

Monochromacy



Original Color

67.1033, 79.1505, 88.8317

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3133, 76.1367, 83.7157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1033, 79.1505, 88.8317 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(190, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(190, 240, 233)  
}
```

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(190, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 240, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.1033, 79.1505, 88.8317 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(190, 240, 233) }
```


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

```
.border{ border-color:rgb(190, 240, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 240, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(190, 240,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1033, 79.1505, 88.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 240, 233) }
```

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

```
.background{ background-color: rgb(190,  
240, 233) }
```

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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