

# Converting Colors

XYZ(66.5147, 77.8723, 93.0689)

Have a look what the booklet for  
XYZ(66.5147, 77.8723, 93.0689)  
contains.

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# Color

**XYZ(66.6480, 77.9459,  
93.1937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBEEEEF
RGB	187, 238, 239
RGB Percent	73%, 93%, 94%
CMY	0.2667, 0.0666, 0.0627
CMYK	0.22, 0.00, 0.00, 0.06
HSL	181°, 62%, 84%
HSV	181°, 22%, 94%
XYZ	66.6480, 77.9459, 93.1937
YIQ	222.8650, -30.7170, -10.5010

# Conversions

## Conversions Part 2

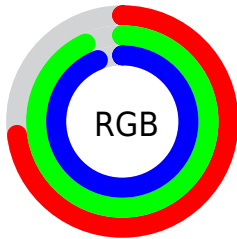
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 213, 239
Decimal	12316399
CIE <sub>Lab</sub>	90.76, -15.94, -5.83
CIE <sub>LCh</sub>	91, 16.977, 200.088
Y <sub>xy</sub>	77.9459, 0.2803, 0.3278
Android (android.graphics.Color)	4290506479 (0xFFBBEEEF)
YUV	222.8650, 7.9546, -31.4536
Hunter-Lab	88.2870, -19.7522, -0.7843

# Details

The XYZ color **66.6480, 77.9459, 93.1937** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5501, 57.9050, 54.8951**, and the grayscale version is **70.0062, 73.6520, 80.2070**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **34.9481, 41.8613, 51.0378** is the 20% darker color. If you saturate the color by 10%, you get **61.1481, 74.9149, 92.8998**, and if you desaturate by 10%, it is **73.1258, 81.4856, 93.5368**.

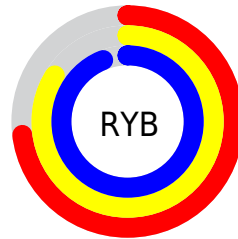
# Distribution



Red (73%)

Green (93%)

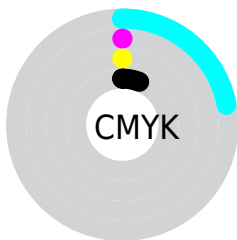
Blue (94%)



Red (73%)

Yellow (84%)

Blue (94%)

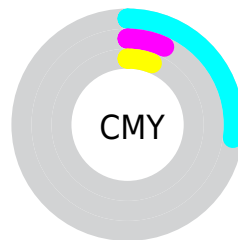


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (27%)

Magenta (7%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6480, 77.9459, 93.1937 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 66.6480, 77.9459, 93.1937 by changing the saturation by 10% instead.



66.6480, 77.9459,  
93.1937

66.6480, 77.9459,  
93.1937

438.1430,  
487.9831, 559.2019

49.0683, 58.0295,  
70.0439

113.4685,  
130.4739, 153.7408

34.8884, 41.8324,  
51.0853

143.4399,  
163.8542, 191.9752

23.7430, 28.9701,  
35.8993

178.2726,  
202.4914, 236.0749

15.2668, 19.0582,  
24.0674

218.3320,  
246.7698, 286.4585

9.0944, 11.7123,  
15.1709

263.9834,  
297.0737, 343.5444

4.8604, 6.5481,  
8.7915

315.5921,

2.1995, 3.1811,

353.7877, 407.7513

4.5105

373.5235,  
417.2960, 479.4976

■ 0.7425, 1.2270,  
1.9094

■ 0.0000, 0.0836,  
0.4987

■ 66.6480, 77.9459,  
93.1937

■ 66.6480, 77.9459,  
93.1937

■ 61.1481, 74.9149,  
92.8998

■ 73.1258, 81.4856,  
93.5368

■ 56.5713, 72.3581,  
92.6475


■ 80.6195, 85.5475,  
93.9259


■ 52.8675, 70.2520,  
92.4362


■ 87.7979, 89.4474,  
94.3003


■ 49.9794, 68.5668,  
92.2632


■ 87.9325, 89.7166,  
94.3451


 47.8427, 67.2696,  
92.1254


 88.0674, 89.9865,  
94.3901


 46.3836, 66.3221,  
92.0194


 88.2027, 90.2570,  
94.4352

 45.5131, 65.6786,  
91.9411

 88.3383, 90.5282,  
94.4804

 45.1228, 65.3172,  
91.8919

 88.4742, 90.8001,  
94.5257

 88.6105, 91.0727,  
94.5711

# Harmonies

## Analogous

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



66.2978, 77.9459, 80.8912



66.6480, 77.9459, 93.1937



68.9477, 77.9459, 104.1868

# Triad

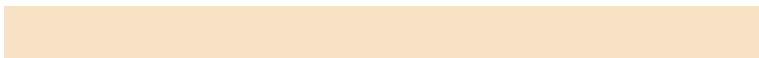
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6480, 77.9459, 93.1937



80.5544, 77.9459, 100.8465



75.5057, 77.9459, 63.7749

# Complementary

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



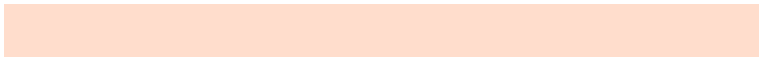
66.6480, 77.9459, 93.1937



62.5501, 57.9050, 54.8951

# 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.



79.4719, 77.9459, 68.1015



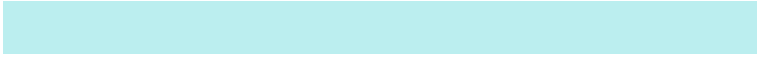
66.6480, 77.9459, 93.1937



82.4598, 77.9459, 88.9768

# Square

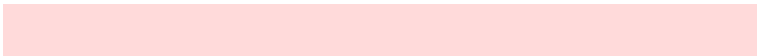
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6480, 77.9459, 93.1937



76.9374, 77.9459, 108.8905



82.0561, 77.9459, 77.0570



71.3045, 77.9459, 64.6701

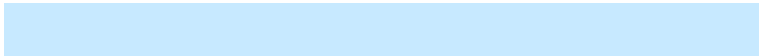


# Rectangle

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



66.6480, 77.9459, 93.1937



71.3275, 77.9459, 108.9196



82.0561, 77.9459, 77.0570



76.9132, 77.9459, 64.6496

# Sweetspot

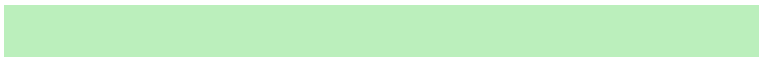
The Sweet Spot groups the original color and five complimentary colors.



66.6503, 77.9491, 93.1955



88.6761, 96.5522, 108.5705



60.4241, 75.9243, 58.9731



18.8687, 20.6056, 23.2327



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

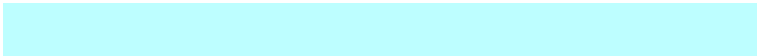


# Same Dimension

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



66.6503, 77.9491, 93.1955



74.3178, 88.7123, 107.8140



59.6517, 63.9518, 90.8626



16.2199, 17.8739, 20.3167



24.9474, 36.1190, 50.7847



2.0836, 3.0212, 4.2276



# Inverse Universe

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



68.8013, 60.0660, 88.8603



77.2192, 64.6647, 101.9502



68.5804, 69.9656, 56.9052



16.4404, 16.0259, 19.8755



27.9179, 13.4396, 44.3457

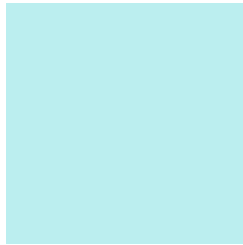


2.3267, 1.1197, 3.7110



# Previews

## White Background



This preview shows how the XYZ color 66.6480, 77.9459, 93.1937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

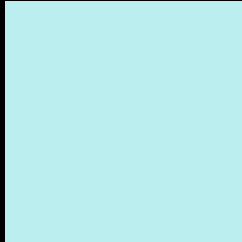
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6480, 77.9459, 93.1937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

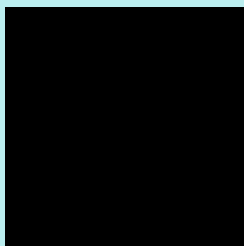
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

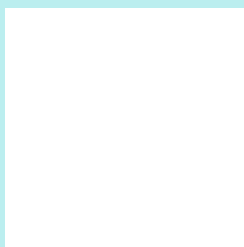
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.6480, 77.9459, 93.1937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.6480, 77.9459, 93.1937.



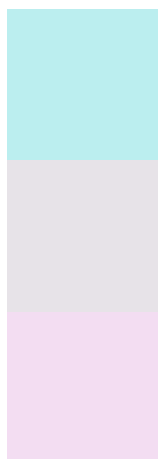
This preview shows how white text looks on a background with the XYZ color 66.6480, 77.9459,



# 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

66.6480, 77.9459, 93.1937

### Protanopia

74.9896, 77.7533, 87.3994

### Deuteranopia

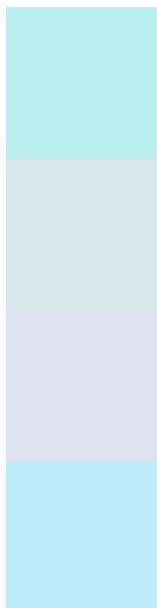
78.8456, 77.1784, 94.7457



## Tritanopia

69.1201, 78.0938, 105.1965

# Trichromacy



## Original Color

66.6480, 77.9459, 93.1937

## Protanomaly

71.5956, 77.5971, 89.8015

## Deuteranomaly

73.7777, 76.9770, 94.1886

## Tritanomaly

68.3693, 78.2267, 101.1184

# Monochromacy



## Original Color

66.6480, 77.9459, 93.1937

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.4646, 74.8456, 84.9669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6480, 77.9459, 93.1937 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, 238, 239)` looks like.

```
.text, #text, p{  
    color:rgb(187, 238, 239)  
}
```

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, 238, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 238, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6480, 77.9459, 93.1937 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, 238, 239) }
```



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

```
.border{ border-color:rgb(187, 238, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 238, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 238, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 238, 239);  
box-shadow:4px 4px 4px 4px rgb(187, 238,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6480, 77.9459, 93.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 238, 239) }
```

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

```
.background{ background-color: rgb(187,  
238, 239) }
```

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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