

# Converting Colors

XYZ(63.9190, 73.1083, 85.2393)

Have a look what the booklet for  
XYZ(63.9190, 73.1083, 85.2393)  
contains.

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# Color

**XYZ(64.0656, 73.3832,  
85.6507)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>BFE6E6</b>
RGB	<b>191, 230, 230</b>
RGB Percent	<b>75%, 90%, 90%</b>
CMY	<b>0.2510, 0.0980, 0.0980</b>
CMYK	<b>0.17, 0.00, 0.00, 0.10</b>
HSL	<b>180°, 44%, 83%</b>
HSV	<b>180°, 17%, 90%</b>
XYZ	<b>64.0656, 73.3832, 85.6507</b>
YIQ	<b>218.3390, -23.2440, -8.2680</b>

# Conversions

## Conversions Part 2

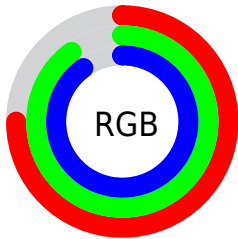
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 211, 230
Decimal	12576486
CIELab	88.63, -12.60, -4.23
CIELCh	89, 13.287, 198.548
Yxy	73.3832, 0.2872, 0.3289
Android (android.graphics.Color)	4290766566 (0xFFBFE6E6)
YUV	218.3390, 5.7489, -23.9763
Hunter-Lab	85.6640, -16.4171, 0.6840

# Details

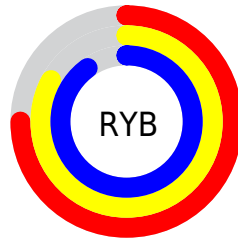
The XYZ color **64.0656, 73.3832, 85.6507** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6705, 57.8482, 57.2614**, and the grayscale version is **66.8493, 70.3306, 76.5900**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.1904, 38.6856, 46.2752** is the 20% darker color. If you saturate the color by 10%, you get **58.7299, 70.6345, 85.4012**, and if you desaturate by 10%, it is **70.3139, 76.6062, 85.9460**.

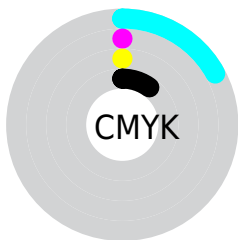
# Distribution



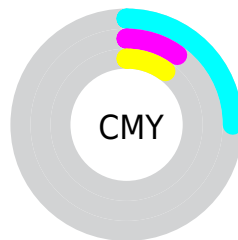
- Red (75%)
- Green (90%)
- Blue (90%)



- Red (75%)
- Yellow (83%)
- Blue (90%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (25%)
- Magenta (10%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0656, 73.3832, 85.6507 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 64.0656, 73.3832, 85.6507 by changing the saturation by 10% instead.



64.0656, 73.3832,  
85.6507

64.0656, 73.3832,  
85.6507

429.0250,  
472.3418, 533.9794

46.9657, 54.2894,  
63.8259

109.7786,  
124.0211, 143.1642

33.2164, 38.8330,  
46.0644

139.1224,  
156.3339, 179.6900

22.4523, 26.6299,  
31.9476

173.2782,  
193.8218, 221.9532

14.3081, 17.2954,  
21.0570

212.6114,  
236.8692, 270.3723

8.4184, 10.4454,  
12.9740

257.4873,  
285.8605, 325.3660

4.4178, 5.6952,  
7.2801

308.2713,

1.9411, 2.6607,

341.1801, 387.3527

3.5568

365.3288,  
403.2125, 456.7510

0.6006, 0.9573,  
1.3855

0.0000, 0.0000,  
0.1304

64.0656, 73.3832,  
85.6507

64.0656, 73.3832,  
85.6507

58.7299, 70.6345,  
85.4012

70.3139, 76.6062,  
85.9460

54.2581, 68.3292,  
85.1905


77.5079, 80.3149,  
86.2841


50.6067, 66.4469,  
85.0182


83.8221, 83.5699,  
86.5810


47.7259, 64.9618,  
84.8821


83.8224, 83.5700,  
86.5824


 45.5605, 63.8455,  
84.7793


 83.8226, 83.5701,  
86.5838


 44.0479, 63.0658,  
84.7072


 83.8229, 83.5702,  
86.5851


 43.1149, 62.5848,  
84.6621

 83.8232, 83.5703,  
86.5865

 42.6668, 62.3539,  
84.6398

 83.8234, 83.5704,  
86.5879

 42.5791, 62.3087,  
84.6353

 83.8237, 83.5705,  
86.5893

# Harmonies

## Analogous

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



63.8792, 73.3832, 76.4473



64.0656, 73.3832, 85.6507



65.7465, 73.3832, 93.8790

# Triad

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



64.0656, 73.3832, 85.6507



74.4720, 73.3832, 92.1690



70.9797, 73.3832, 63.8167

# Complementary

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



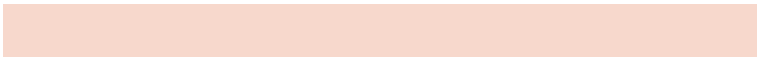
64.0656, 73.3832, 85.6507



60.6705, 57.8482, 57.2614

# 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.



73.9098, 73.3832, 67.3858



64.0656, 73.3832, 85.6507



75.9668, 73.3832, 83.4589

# Square

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



64.0656, 73.3832, 85.6507



71.7280, 73.3832, 97.8366



75.7580, 73.3832, 74.4161



67.8058, 73.3832, 64.3048

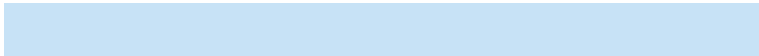


# Rectangle

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



64.0656, 73.3832, 85.6507



67.5181, 73.3832, 97.4867



75.7580, 73.3832, 74.4161



72.0275, 73.3832, 64.5700

# Sweetspot

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



64.0677, 73.3862, 85.6523



90.5137, 97.6614, 108.6868



59.3526, 71.5191, 59.9678



19.2425, 20.8359, 23.2573



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.



64.0677, 73.3862, 85.6523



78.7112, 91.5771, 108.1319



59.1024, 63.4550, 83.9995



14.8075, 16.3364, 18.5169



24.1048, 35.2740, 47.9136



1.7813, 2.6066, 3.5407



# Inverse Universe

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



60.6705, 57.8482, 57.2614



73.7324, 68.8056, 66.5240



65.0493, 66.6063, 58.7193



14.3771, 14.3680, 14.9203



18.4751, 9.5243, 0.8650

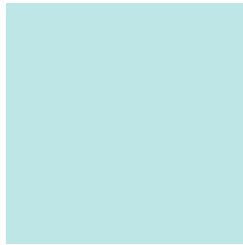


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 64.0656, 73.3832, 85.6507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

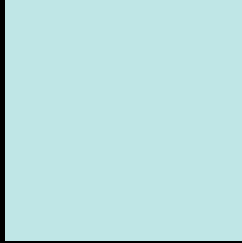
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0656, 73.3832, 85.6507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

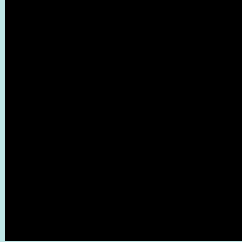
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.0656, 73.3832, 85.6507**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0656, 73.3832, 85.6507.



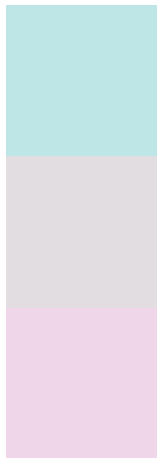
This preview shows how white text looks on a background with the XYZ color 64.0656, 73.3832,



# 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

64.0656, 73.3832, 85.6507

### Protanopia

70.4984, 73.1567, 81.6392

### Deuteranopia

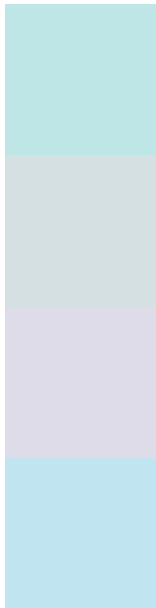
74.6050, 72.8348, 87.2172



## Tritanopia

66.6261, 73.6100, 97.8854

# Trichromacy



## Original Color

64.0656, 73.3832, 85.6507

## Protanomaly

67.9614, 73.0035, 83.1822

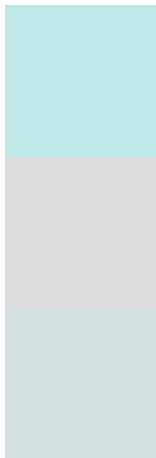
## Deuteranomaly

70.2829, 72.5422, 86.6417

## Tritanomaly

65.7398, 73.6673, 93.1924

# Monochromacy



## Original Color

64.0656, 73.3832, 85.6507

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.3185, 70.9264, 79.3547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0656, 73.3832, 85.6507 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(191, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(191, 230, 230)  
}
```

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(191, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 230, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0656, 73.3832, 85.6507 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(191, 230, 230) }
```



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

```
.border{ border-color:rgb(191, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(191, 230,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0656, 73.3832, 85.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 230, 230) }
```

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

```
.background{ background-color: rgb(191,  
230, 230) }
```

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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