

# Converting Colors

XYZ(56.5721, 66.3400, 64.7900)

Have a look what the booklet for  
XYZ(56.5721, 66.3400, 64.7900)  
contains.

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# Color

**XYZ(56.6488, 66.3691,  
65.0831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADDC9
RGB	186, 221, 201
RGB Percent	73%, 87%, 79%
CMY	0.2706, 0.1333, 0.2118
CMYK	0.16, 0.00, 0.09, 0.13
HSL	146°, 34%, 80%
HSV	146°, 16%, 87%
XYZ	56.6488, 66.3691, 65.0831
YIQ	208.2550, -14.4400, -13.6400

# Conversions

## Conversions Part 2

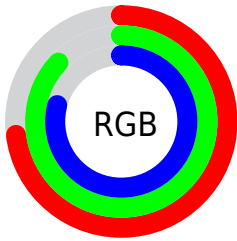
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 211, 221
Decimal	12246473
CIE <sub>Lab</sub>	85.18, -15.36, 5.98
CIE <sub>LCh</sub>	85, 16.484, 158.722
Yxy	66.3691, 0.3012, 0.3528
Android (android.graphics.Color)	4290436553 (0xFFBADDC9)
YUV	208.2550, -3.5767, -19.5176
Hunter-Lab	81.4672, -18.4465, 9.6611

# Details

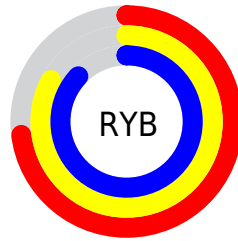
The XYZ color **56.6488, 66.3691, 65.0831** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.5207, 54.9479, 65.9173**, and the grayscale version is **60.1504, 63.2829, 68.9150**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **28.4184, 34.2846, 32.7235** is the 20% darker color. If you saturate the color by 10%, you get **50.2644, 63.2444, 57.3455**, and if you desaturate by 10%, it is **63.9895, 69.9764, 73.5060**.

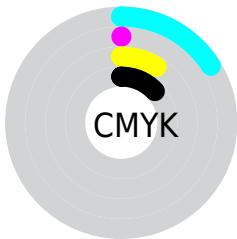
# Distribution



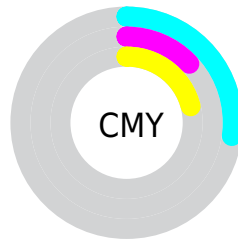
- Red (73%)
- Green (87%)
- Blue (79%)



- Red (73%)
- Yellow (83%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6488, 66.3691, 65.0831 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 56.6488, 66.3691, 65.0831 by changing the saturation by 10% instead.



■ 56.6488, 66.3691,  
65.0831

■ 56.6488, 66.3691,  
65.0831

402.1675,  
447.6958, 461.4049

■ 40.9624, 48.5721,  
47.0767

■ 99.0869, 114.0159,  
113.7837

■ 28.4772, 34.2802,  
32.7415

126.5693,  
144.6345, 145.3151

■ 18.8280, 23.1089,  
21.6590

158.7143,  
180.2958, 182.1918

■ 11.6493, 14.6739,  
13.4106

195.8874,  
221.3841, 224.8324

■ 6.5759, 8.5909,  
7.5779

238.4540,  
268.2839, 273.6555

■ 3.2422, 4.4753,  
3.7422

286.7792,

■ 1.2831, 1.9428,

321.3795, 329.0796

1.4850

341.2286,  
381.0553, 391.5232

■ 0.1705, 0.5739,  
0.2067

■ 0.0000, 0.0000,  
0.0000

■ 56.6488, 66.3691,  
65.0831

■ 56.6488, 66.3691,  
65.0831

■ 50.2644, 63.2444,  
57.3455

■ 63.9895, 69.9764,  
73.5060

■ 44.7899, 60.5730,  
50.2717

■ 72.3193, 74.0773,  
82.6262

■ 40.1829, 58.3355,  
43.8451

■ 81.6764, 78.6931,  
92.4613

■ 36.3956, 56.5075,  
38.0471

■ 84.5925, 79.9734,  
102.6756

■ 33.3754, 55.0622,  
32.8579

■ 85.1477, 80.1955,  
105.5992

■ 31.0629, 53.9696,  
28.2568

■ 29.3896, 53.1945,  
24.2216

■ 28.2713, 52.6942,  
20.7283

■ 27.9100, 52.5364,  
19.4263

# Harmonies

## Analogous

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



58.7125, 66.3691, 57.4322



56.6488, 66.3691, 65.0831



56.2728, 66.3691, 75.4158

# Triad

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



56.6488, 66.3691, 65.0831



64.1727, 66.3691, 94.4621



68.8283, 66.3691, 60.1931

# Complementary

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



56.6488, 66.3691, 65.0831



58.5207, 54.9479, 65.9173

# 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.



70.4191, 66.3691, 69.2025



56.6488, 66.3691, 65.0831



67.6627, 66.3691, 89.4534

# Square

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



56.6488, 66.3691, 65.0831



60.5217, 66.3691, 93.0828



69.9843, 66.3691, 79.9560



65.7132, 66.3691, 54.8079



# Rectangle

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



56.6488, 66.3691, 65.0831



57.0149, 66.3691, 82.5626



69.9843, 66.3691, 79.9560



69.5646, 66.3691, 62.8607

# Sweetspot

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



56.6506, 66.3719, 65.0846



89.3627, 97.2011, 102.6260



60.2913, 68.4427, 56.4884



18.9622, 20.7238, 21.7817



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

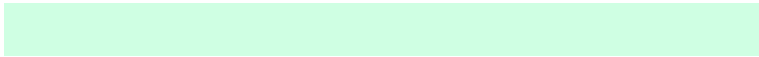


# Same Dimension

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



56.6506, 66.3719, 65.0846



75.2749, 90.2840, 86.3584



58.7742, 67.2213, 76.2673



13.1170, 14.6984, 15.0789



16.2668, 30.5393, 11.5703



1.0964, 1.9955, 0.9739



# Inverse Universe

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



58.5207, 54.9479, 65.9173



78.3294, 71.6221, 87.7171



56.5560, 54.1620, 55.5713



13.3663, 13.1756, 15.1901



19.5788, 9.8325, 12.6936

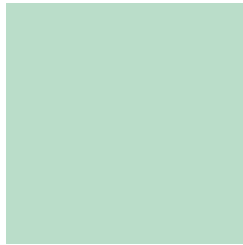


1.3113, 0.6541, 1.0480



# Previews

## White Background



This preview shows how the XYZ color 56.6488, 66.3691, 65.0831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

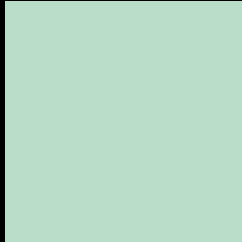
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6488, 66.3691, 65.0831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

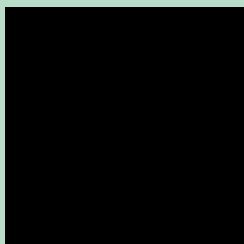
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

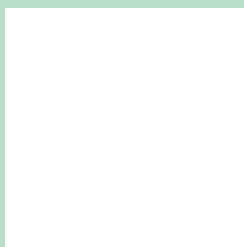
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.6488, 66.3691, 65.0831

## Background



This preview shows how black text looks on a background with the XYZ color 56.6488, 66.3691, 65.0831.



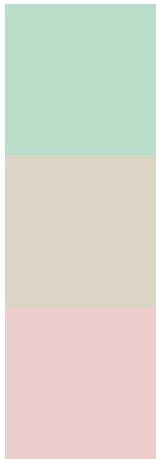
This preview shows how white text looks on a background with the XYZ color 56.6488, 66.3691,



# 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

56.6488, 66.3691, 65.0831

### Protanopia

63.0225, 66.2881, 61.6978

### Deuteranopia

67.3225, 65.8551, 66.2898



## **Tritanopia**

61.0021, 66.2014, 86.6538

# Trichromacy



## Original Color

56.6488, 66.3691, 65.0831

## Protanomaly

60.5059, 66.0880, 62.9933

## Deuteranomaly

62.9872, 65.8058, 65.8819

## Tritanomaly

59.3578, 66.3104, 78.0773

# Monochromacy



## Original Color

56.6488, 66.3691, 65.0831

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.6331, 64.2756, 67.0738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6488, 66.3691, 65.0831 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(186, 221, 201) looks like.

```
.text, #text, p{  
    color:rgb(186, 221, 201)  
}
```

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(186, 221, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 221, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6488, 66.3691, 65.0831 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".

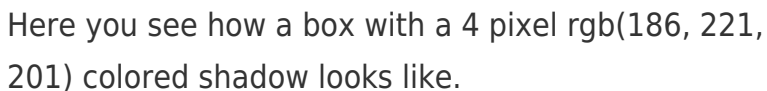
```
.border, #border, table{ border:4px solid rgb(186, 221, 201) }
```



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

```
.border{ border-color:rgb(186, 221, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 221, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 221, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 221, 201); box-shadow:4px 4px 4px 4px rgb(186, 221, 201) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6488, 66.3691, 65.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 221, 201) }
```

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

```
.background{ background-color: rgb(186,  
221, 201) }
```

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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