

# Converting Colors

XYZ(65.2333, 73.7222, 84.9191)

Have a look what the booklet for  
XYZ(65.2333, 73.7222, 84.9191)  
contains.

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# Color

**XYZ(65.1881, 73.5661,  
84.8926)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5E5E5
RGB	197, 229, 229
RGB Percent	77%, 90%, 90%
CMY	0.2274, 0.1019, 0.1020
CMYK	0.14, 0.00, 0.00, 0.10
HSL	180°, 38%, 84%
HSV	180°, 14%, 90%
XYZ	65.1881, 73.5661, 84.8926
YIQ	219.4320, -19.0720, -6.7840

# Conversions

## Conversions Part 2

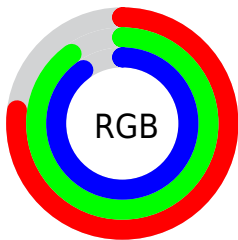
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 213, 229
Decimal	12969445
CIELab	88.72, -10.43, -3.53
CIELCh	89, 11.008, 198.708
Yxy	73.5661, 0.2915, 0.3289
Android (android.graphics.Color)	4291159525 (0xFFC5E5E5)
YUV	219.4320, 4.7170, -19.6729
Hunter-Lab	85.7707, -14.4337, 1.3565

# Details

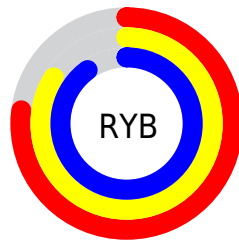
The XYZ color **65.1881, 73.5661, 84.8926** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3600, 60.6237, 61.2414**, and the grayscale version is **67.6114, 71.1324, 77.4632**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **34.1037, 39.1677, 45.8071** is the 20% darker color. If you saturate the color by 10%, you get **59.6416, 70.7088, 84.6328**, and if you desaturate by 10%, it is **71.6498, 76.8991, 85.1983**.

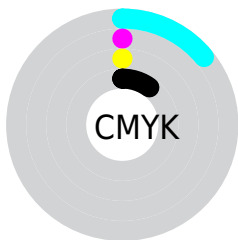
# Distribution



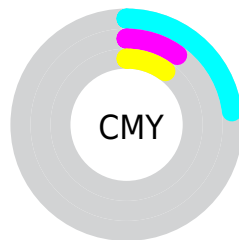
- Red (77%)
- Green (90%)
- Blue (90%)



- Red (77%)
- Yellow (84%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (10%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1881, 73.5661, 84.8926 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 65.1881, 73.5661, 84.8926 by changing the saturation by 10% instead.



65.1881, 73.5661,  
84.8926

65.1881, 73.5661,  
84.8926

433.0021,  
472.9745, 531.4079

47.8789, 54.4390,  
63.2030

111.3844,  
124.2805, 142.0959

33.9418, 38.9527,  
45.5634

141.0023,  
156.6366, 178.4468

23.0116, 26.7230,  
31.5553

175.4537,  
194.1712, 220.5218

14.7228, 17.3653,  
20.7600

215.1041,  
237.2686, 268.7394

8.7101, 10.4953,  
12.7592

260.3188,  
286.3132, 323.5184

4.6082, 5.7285,  
7.1341

311.4631,

2.0516, 2.6807,

341.6895, 385.2770

3.4664

368.9024,  
403.7818, 454.4341

■ 0.6627, 0.9674,  
1.3374

■ 0.0000, 0.0000,  
0.0922

■ 65.1881, 73.5661,  
84.8926

■ 65.1881, 73.5661,  
84.8926

■ 59.6416, 70.7088,  
84.6328

■ 71.6498, 76.8991,  
85.1983

■ 54.9629, 68.2969,  
84.4121

■ 79.0586, 80.7185,  
85.5468


■ 51.1101, 66.3107,  
84.2300


■ 83.4048, 82.9590,  
85.7520


■ 48.0352, 64.7256,  
84.0844


■ 83.4051, 82.9591,  
85.7537


 45.6853, 63.5142,  
83.9726


 83.4054, 82.9592,  
85.7555

 44.0011, 62.6460,  
83.8920


 83.4058, 82.9594,  
85.7573


 42.9136, 62.0854,  
83.8394

 83.4061, 82.9595,  
85.7591

 42.3390, 61.7892,  
83.8107

 83.4064, 82.9597,  
85.7608

 42.1608, 61.6974,  
83.8013

 83.4068, 82.9598,  
85.7626

# Harmonies

## Analogous

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



65.0248, 73.5661, 77.2663



65.1881, 73.5661, 84.8926



66.6006, 73.5661, 91.6208

# Triad

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



65.1881, 73.5661, 84.8926



73.8369, 73.5661, 90.1631



70.9289, 73.5661, 66.5757

# Complementary

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



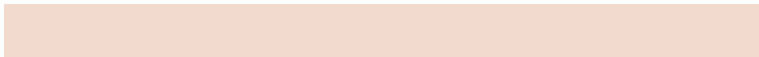
65.1881, 73.5661, 84.8926



62.3600, 60.6237, 61.2414

# 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.



73.3528, 73.5661, 69.5896



65.1881, 73.5661, 84.8926



75.0599, 73.5661, 83.0041

# Square

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



65.1881, 73.5661, 84.8926



71.5760, 73.5661, 94.7944



74.8805, 73.5661, 75.4931



68.2944, 73.5661, 67.0102



# Rectangle

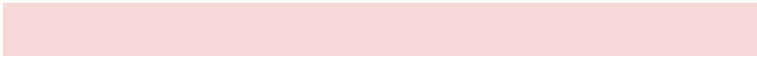
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.1881, 73.5661, 84.8926



68.0812, 73.5661, 94.5418



74.8805, 73.5661, 75.4931



71.7965, 73.5661, 67.2111

# Sweetspot

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



65.1902, 73.5692, 84.8942



91.3963, 98.1165, 108.7281



61.2653, 72.0154, 63.4958



19.4202, 20.9276, 23.2656



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

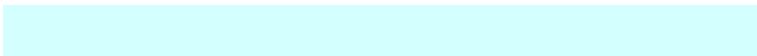


# Same Dimension

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



65.1902, 73.5692, 84.8942



80.8598, 92.6848, 108.2321



61.0995, 65.3870, 83.5330



14.8075, 16.3364, 18.5168



24.1044, 35.2738, 47.9113



1.7812, 2.6066, 3.5406



# Inverse Universe

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



62.3600, 60.6237, 61.2414



76.5362, 72.9082, 72.0979



66.0541, 68.0125, 62.4708



14.3771, 14.3680, 14.9203



18.4751, 9.5243, 0.8652

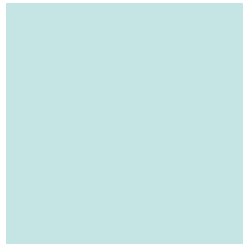


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 65.1881, 73.5661, 84.8926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

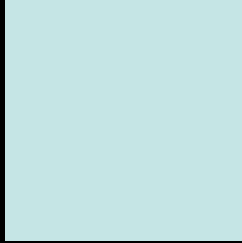
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1881, 73.5661, 84.8926 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

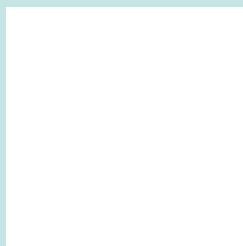
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.1881, 73.5661, 84.8926

## Background



This preview shows how black text looks on a background with the XYZ color 65.1881, 73.5661, 84.8926.



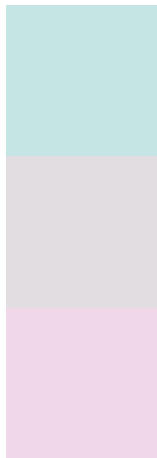
This preview shows how white text looks on a background with the XYZ color 65.1881, 73.5661,



# 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

65.1881, 73.5661, 84.8926

### Protanopia

70.3623, 73.1023, 80.9227

### Deuteranopia

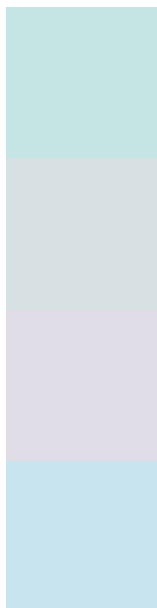
75.0565, 73.4632, 86.5678



## Tritanopia

67.7699, 73.8101, 97.0611

# Trichromacy



## Original Color

65.1881, 73.5661, 84.8926

## Protanomaly

68.4075, 73.2494, 82.4846

## Deuteranomaly

71.0207, 73.3297, 86.0122

## Tritanomaly

66.8766, 73.8609, 92.3932

# Monochromacy



## Original Color

65.1881, 73.5661, 84.8926

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.5709, 71.9519, 80.1915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1881, 73.5661, 84.8926 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(197, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(197, 229, 229)  
}
```

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(197, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 229, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1881, 73.5661, 84.8926 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(197, 229, 229) }
```



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

```
.border{ border-color:rgb(197, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(197, 229,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1881, 73.5661, 84.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 229, 229) }
```

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

```
.background{ background-color: rgb(197,  
229, 229) }
```

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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