

# Converting Colors

XYZ(65.1992, 83.3857, 60.6408)

Have a look what the booklet for  
XYZ(65.1992, 83.3857, 60.6408)  
contains.

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# Color

**XYZ(65.1091, 83.2518,  
60.7817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FABD
RGB	192, 250, 189
RGB Percent	75%, 98%, 74%
CMY	0.2471, 0.0196, 0.2588
CMYK	0.23, 0.00, 0.24, 0.02
HSL	117°, 86%, 86%
HSV	117°, 24%, 98%
XYZ	65.1091, 83.2518, 60.7817
YIQ	225.7040, -14.9870, -31.2670

# Conversions

## Conversions Part 2

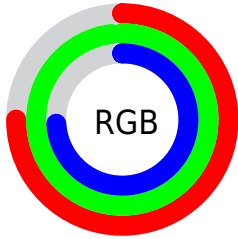
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 250, 247
Decimal	12647101
CIELab	93.12, -29.60, 23.47
CIELCh	93, 37.776, 141.593
Yxy	83.2518, 0.3113, 0.3981
Android (android.graphics.Color)	4290837181 (0xFFC0FABD)
YUV	225.7040, -18.0951, -29.5584
Hunter-Lab	91.2424, -32.2996, 24.3733

# Details

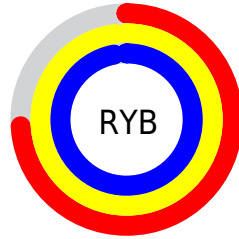
The XYZ color **65.1091, 83.2518, 60.7817** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.8143, 63.0740, 98.7309**, and the grayscale version is **72.2110, 75.9716, 82.7331**.

A 20% lighter version of the original color is **91.3084, 98.2523, 100.5383**, and **33.7597, 45.2076, 29.8683** is the 20% darker color. If you saturate the color by 10%, you get **57.0856, 79.4050, 47.4407**, and if you desaturate by 10%, it is **74.5770, 87.7940, 76.6355**.

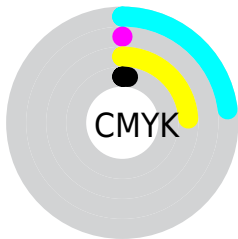
# Distribution



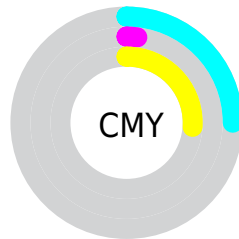
- Red (75%)
- Green (98%)
- Blue (74%)



- Red (74%)
- Yellow (98%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)




- Cyan (25%)
- Magenta (2%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1091, 83.2518, 60.7817 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 65.1091, 83.2518, 60.7817 by changing the saturation by 10% instead.





 65.1091, 83.2518,  
60.7817

 65.1091, 83.2518,  
60.7817


432.7229,  
505.8253, 445.3575

 47.8146, 62.3979,  
43.6196


 111.2715,  
137.9281, 107.5172

 33.8907, 45.3543,  
30.0366


140.8702,  
172.5192, 137.9278

 22.9721, 31.7366,  
19.6141


175.3008,  
212.4583, 173.5915

 14.6935, 21.1604,  
11.9335

214.9290,  
258.1296, 214.9270

 8.6895, 13.2413,  
6.5764

260.1199,  
309.9175, 262.3528

 4.5947, 7.5949,  
3.1243

311.2390,

 2.0438, 3.8368,

368.2065, 316.2875

1.1584

368.6515,  
433.3810, 377.1495

■ 0.6584, 1.5827,  
0.0000

■ 0.0000, 0.3459,  
0.0000

■ 65.1091, 83.2518,  
60.7817

■ 65.1091, 83.2518,  
60.7817

■ 57.0856, 79.4050,  
47.4407

■ 74.5770, 87.7940,  
76.6355

■ 50.4293, 76.2092,  
36.4785

■ 85.5483, 93.0523,  
95.1159

■ 45.0658, 73.6318,  
27.7569

■ 93.4773, 96.8545,  
108.3758

■ 40.9111, 71.6325,  
21.1214

■ 37.8712, 70.1668,  
16.3979

■ 35.8381, 69.1832,  
13.3842

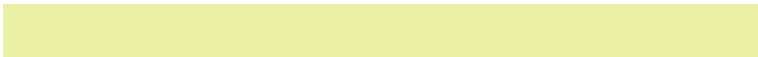
■ 34.6824, 68.6206,  
11.8326

■ 34.3430, 68.4548,  
11.4030

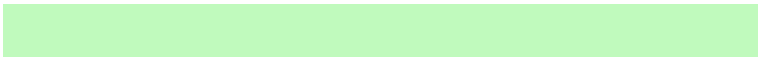
# Harmonies

## Analogous

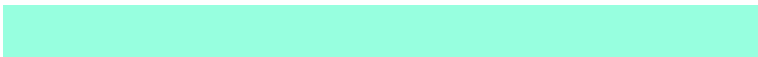
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3175, 83.2518, 48.7662



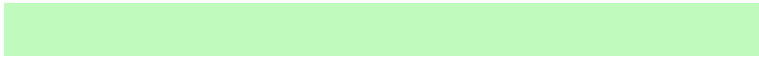
65.1091, 83.2518, 60.7817



61.7269, 83.2518, 82.8962

# Triad

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



65.1091, 83.2518, 60.7817



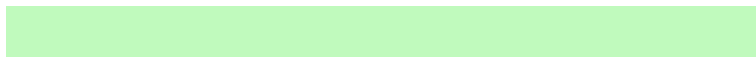
76.3736, 83.2518, 156.1002



98.2122, 83.2518, 72.0014

# Complementary

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



65.1091, 83.2518, 60.7817



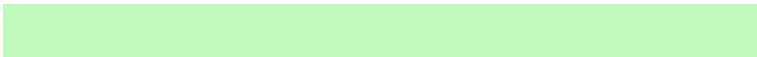
73.8143, 63.0740, 98.7309

# 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.



99.5267, 83.2518, 98.8666



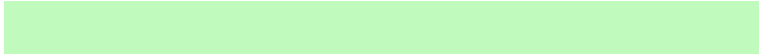
65.1091, 83.2518, 60.7817



86.3539, 83.2518, 151.4842

# Square

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



65.1091, 83.2518, 60.7817



67.8654, 83.2518, 140.5183



95.0280, 83.2518, 128.9745

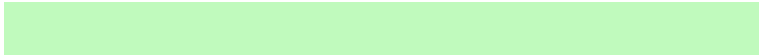


91.5732, 83.2518, 54.2396



# Rectangle

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



65.1091, 83.2518, 60.7817



61.8830, 83.2518, 102.0683



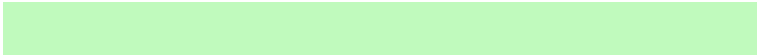
95.0280, 83.2518, 128.9745



99.3124, 83.2518, 80.1113

# Sweetspot

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



65.1113, 83.2553, 60.7835



86.3371, 95.8251, 94.1814



81.8589, 90.4933, 61.2979



18.3269, 20.4373, 19.9011



0.0000, 0.0000, 0.0000

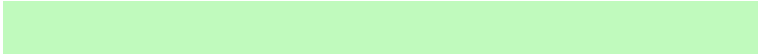


20.3446, 21.4041, 23.3091

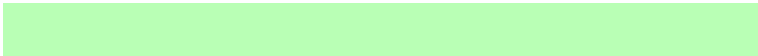


# Same Dimension

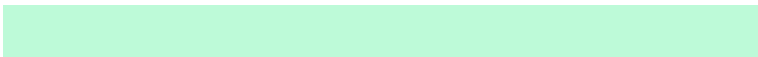
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1113, 83.2553, 60.7835



64.0373, 85.1334, 56.8002



67.6275, 84.1750, 77.9567



17.0963, 19.3499, 18.2962



18.2492, 36.3261, 6.0498



1.7171, 3.3783, 0.5616



# Inverse Universe

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



73.8143, 63.0740, 98.7309



74.4992, 60.8651, 102.4293



70.8835, 62.0248, 77.7331



17.9038, 17.4785, 21.8154



27.8413, 13.2954, 49.0724

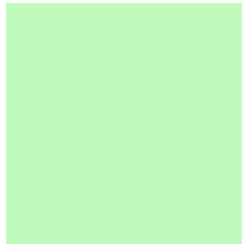


2.6038, 1.2444, 4.5461



# Previews

## White Background



This preview shows how the XYZ color 65.1091, 83.2518, 60.7817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

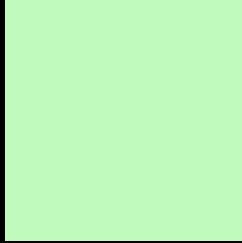
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1091, 83.2518, 60.7817 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 65.1091, 83.2518, 60.7817

## Background



This preview shows how black text looks on a background with the XYZ color 65.1091, 83.2518, 60.7817.



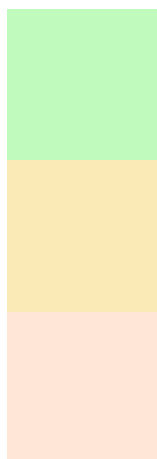
This preview shows how white text looks on a background with the XYZ color 65.1091, 83.2518,

60.7817.

# 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

65.1091, 83.2518, 60.7817

### Protanopia

77.2907, 82.5470, 56.1155

### Deuteranopia

81.6744, 82.7087, 75.2780



## Tritanopia

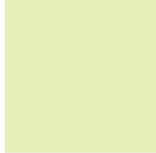
75.7805, 82.8019, 106.5960

# Trichromacy



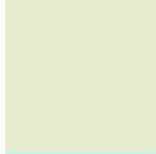
## Original Color

65.1091, 83.2518, 60.7817



## Protanomaly

72.2301, 82.4810, 58.0124



## Deuteranomaly

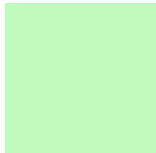
74.5823, 82.1320, 69.6798



## Tritanomaly

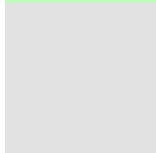
71.3762, 82.7081, 87.8036

# Monochromacy



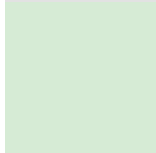
## Original Color

65.1091, 83.2518, 60.7817



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.4501, 78.5169, 74.4457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1091, 83.2518, 60.7817 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(192, 250, 189)` looks like.

```
.text, #text, p{  
    color:rgb(192, 250, 189)  
}
```

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(192, 250, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 250, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1091, 83.2518, 60.7817 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(192, 250, 189) }
```



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

```
.border{ border-color:rgb(192, 250, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 250, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 250, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 250, 189);  
box-shadow:4px 4px 4px 4px rgb(192, 250,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1091, 83.2518, 60.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 250, 189) }
```

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

```
.background{ background-color: rgb(192,  
250, 189) }
```

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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