

# Converting Colors

XYZ(63.2964, 78.7256, 62.0695)

Have a look what the booklet for  
XYZ(63.2964, 78.7256, 62.0695)  
contains.

<b>XYZ(63.3701, 78.6920, 62.3012)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.3701, 78.6920,  
62.3012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1F2C1
RGB	193, 242, 193
RGB Percent	76%, 95%, 76%
CMY	0.2431, 0.0510, 0.2431
CMYK	0.20, 0.00, 0.20, 0.05
HSL	120°, 65%, 85%
HSV	120°, 20%, 95%
XYZ	63.3701, 78.6920, 62.3012
YIQ	221.7630, -13.4750, -25.6270

# Conversions

## Conversions Part 2

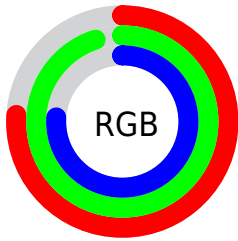
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 242, 242
Decimal	12710593
CIE <sub>Lab</sub>	91.09, -24.81, 18.61
CIE <sub>LCh</sub>	91, 31.015, 143.133
Yxy	78.6920, 0.3101, 0.3851
Android (android.graphics.Color)	4290900673 (0xFFC1F2C1)
YUV	221.7630, -14.1802, -25.2252
Hunter-Lab	88.7085, -27.7261, 20.4558

# Details

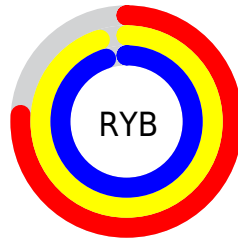
The XYZ color **63.3701, 78.6920, 62.3012** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7177, 63.4297, 92.4711**, and the grayscale version is **69.3694, 72.9820, 79.4774**.

A 20% lighter version of the original color is **92.4397, 98.7461, 104.6303**, and **32.8666, 42.4709, 30.8915** is the 20% darker color. If you saturate the color by 10%, you get **55.2160, 74.7775, 48.9620**, and if you desaturate by 10%, it is **72.9797, 83.3103, 78.0177**.

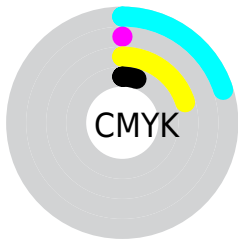
# Distribution



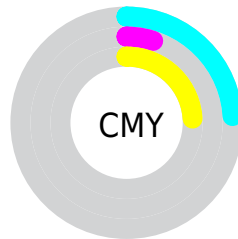
- Red (76%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (95%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)




- Cyan (24%)
- Magenta (5%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3701, 78.6920, 62.3012 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 63.3701, 78.6920, 62.3012 by changing the saturation by 10% instead.





 63.3701, 78.6920,  
62.3012

 63.3701, 78.6920,  
62.3012


426.5498,  
490.5138, 451.0669

 46.4005, 58.6426,  
44.8388


 108.7821,  
131.5252, 109.7365

 32.7679, 42.3255,  
30.9884


137.9552,  
165.0777, 140.5465

 22.1071, 29.3562,  
20.3316


171.9267,  
203.9002, 176.6428

 14.0526, 19.3505,  
12.4499

211.0622,  
248.3768, 218.4438

 8.2392, 11.9238,  
6.9246

255.7268,  
298.8921, 266.3682

 4.3015, 6.6918,  
3.3373


306.2861,


 1.8741, 3.2701,


355.8304, 320.8345


1.2693


363.1053,  
419.5762, 382.2612


 0.5617, 1.2743,  
0.0364


 0.0000, 0.1212,  
0.0000


 63.3701, 78.6920,  
62.3012


 63.3701, 78.6920,  
62.3012

 55.2160, 74.7775,  
48.9620


 72.9797, 83.3103,  
78.0177

 48.4406, 71.5229,  
37.8796

 84.1042, 88.6540,  
96.2137

 42.9696, 68.8949,  
28.9307

 91.0437, 91.9874,  
107.5646

 38.7192, 66.8532,  
21.9783

■ 35.5958, 65.3529,  
16.8694

■ 33.4925, 64.3426,  
13.4290

■ 32.2816, 63.7610,  
11.4482

■ 31.7537, 63.5074,  
10.5847

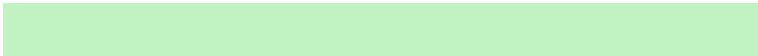
# Harmonies

## Analogous

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



69.0267, 78.6920, 51.7951



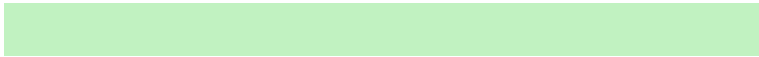
63.3701, 78.6920, 62.3012



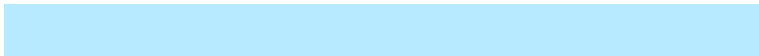
60.8031, 78.6920, 80.6227

# Triad

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



63.3701, 78.6920, 62.3012



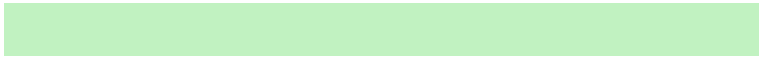
73.0062, 78.6920, 136.0939



89.5321, 78.6920, 69.8148

# Complementary

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



63.3701, 78.6920, 62.3012



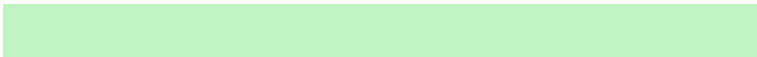
71.7177, 63.4297, 92.4711

# 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.



90.7825, 78.6920, 90.9490



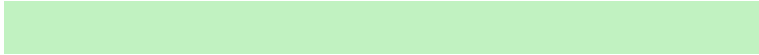
63.3701, 78.6920, 62.3012



80.8748, 78.6920, 131.8350

# Square

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



63.3701, 78.6920, 62.3012



66.1092, 78.6920, 125.0735



87.5153, 78.6920, 114.2841

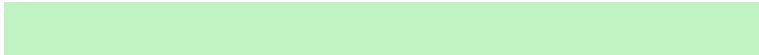


84.2087, 78.6920, 55.5743



# Rectangle

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



63.3701, 78.6920, 62.3012



61.0526, 78.6920, 95.8712



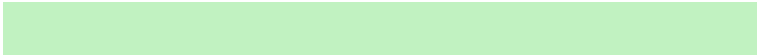
87.5153, 78.6920, 114.2841



90.4573, 78.6920, 76.2420

# Sweetspot

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



63.3722, 78.6953, 62.3029



87.2771, 96.2663, 96.1861



77.9992, 86.2359, 62.9870



18.5080, 20.5219, 20.3049



0.0000, 0.0000, 0.0000

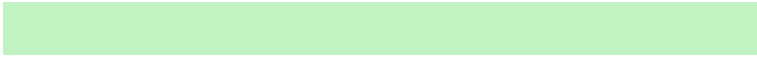


20.3446, 21.4041, 23.3091

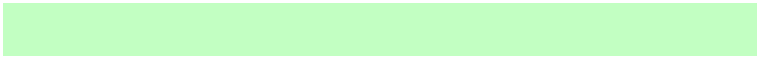


# Same Dimension

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



63.3722, 78.6953, 62.3029



67.6721, 86.8490, 64.1187



66.3363, 79.8810, 77.9116



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730



# Inverse Universe

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



71.7177, 63.4297, 92.4711



78.5371, 66.9745, 103.3949



68.2800, 62.0546, 74.3684



16.4543, 16.0314, 19.9487



28.2810, 13.5848, 46.2578

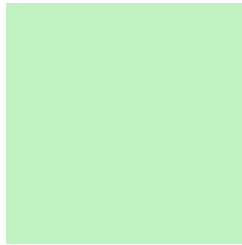


2.3527, 1.1301, 3.8482



# Previews

## White Background



This preview shows how the XYZ color 63.3701, 78.6920, 62.3012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

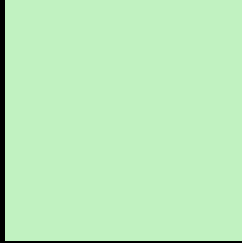
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3701, 78.6920, 62.3012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

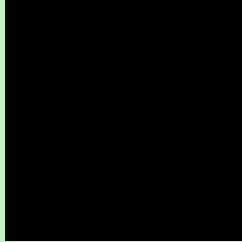
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

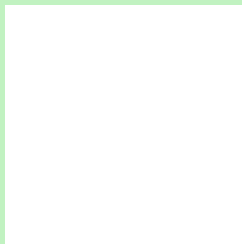
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.3701, 78.6920, 62.3012

## Background



This preview shows how black text looks on a background with the XYZ color 63.3701, 78.6920, 62.3012.



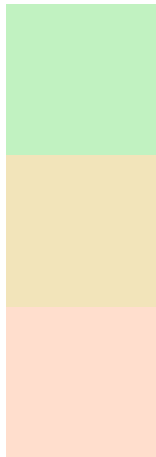
This preview shows how white text looks on a background with the XYZ color 63.3701, 78.6920,



# 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

63.3701, 78.6920, 62.3012

### Protanopia

73.2243, 77.9092, 57.6330

### Deuteranopia

78.3807, 77.9103, 68.6647



## Tritanopia

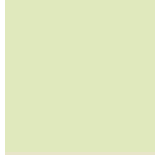
71.7810, 78.6340, 104.3231

# Trichromacy



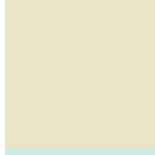
## Original Color

63.3701, 78.6920, 62.3012



## Protanomaly

69.0647, 77.7992, 59.5208



## Deuteranomaly

71.8406, 77.4115, 66.4138



## Tritanomaly

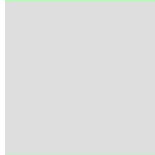
68.2612, 78.4800, 87.1517

# Monochromacy



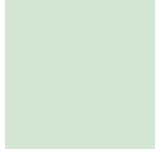
## Original Color

63.3701, 78.6920, 62.3012



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.6412, 74.5907, 72.5131

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3701, 78.6920, 62.3012 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(193, 242, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 242, 193)  
}
```

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(193, 242, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 242, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3701, 78.6920, 62.3012 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(193, 242, 193) }
```



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

```
.border{ border-color:rgb(193, 242, 193) }
```

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

Here you see how a box with a 4 pixel rgb(193, 242, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 242, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 242, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 242,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3701, 78.6920, 62.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 242, 193) }
```

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

```
.background{ background-color: rgb(193,  
242, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor