

# Converting Colors

XYZ(60.7794, 73.2453, 71.9071)

Have a look what the booklet for  
XYZ(60.7794, 73.2453, 71.9071)  
contains.

<b>XYZ(60.7794, 73.2453, 71.9071)</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(60.7794, 73.2453,  
71.9071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E9D2
RGB	185, 233, 210
RGB Percent	73%, 91%, 82%
CMY	0.2745, 0.0863, 0.1765
CMYK	0.21, 0.00, 0.10, 0.09
HSL	151°, 52%, 82%
HSV	151°, 21%, 91%
XYZ	60.7794, 73.2453, 71.9071
YIQ	216.0260, -21.2250, -17.3290

# Conversions

## Conversions Part 2

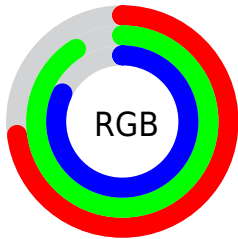
Format	Color
<a href="#">RYB</a>	<a href="#">185, 217, 233</a>
Decimal	<a href="#">12184018</a>
CIELab	<a href="#">88.56, -19.94, 6.12</a>
CIELCh	<a href="#">89, 20.859, 162.949</a>
Yxy	<a href="#">73.2453, 0.2951, 0.3557</a>
Android (android.graphics.Color)	<a href="#">4290374098</a> ( <a href="#">0xFFB9E9D2</a> )
YUV	<a href="#">216.0260, -2.9708, -27.2098</a>
Hunter-Lab	<a href="#">85.5835, -23.0045, 10.0931</a>

# Details

The XYZ color **60.7794, 73.2453, 71.9071** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3410, 56.5775, 67.3126**, and the grayscale version is **65.3196, 68.7213, 74.8375**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **31.0830, 38.6699, 37.2783** is the 20% darker color. If you saturate the color by 10%, you get **54.2698, 70.0467, 64.5931**, and if you desaturate by 10%, it is **68.3113, 76.9638, 79.7787**.

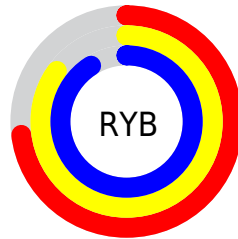
# Distribution



Red (73%)

Green (91%)

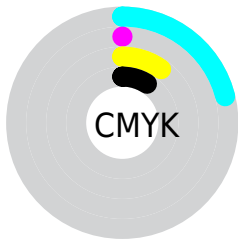
Blue (82%)



Red (73%)

Yellow (85%)

Blue (91%)

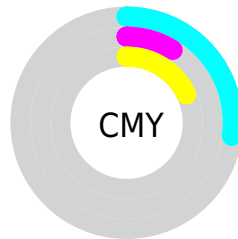


Cyan (21%)

Magenta (0%)

Yellow (10%)

Black (9%)



Cyan (27%)

Magenta (9%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7794, 73.2453, 71.9071 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 60.7794, 73.2453, 71.9071 by changing the saturation by 10% instead.



60.7794, 73.2453,  
71.9071

60.7794, 73.2453,  
71.9071

417.2535,  
471.8645, 486.1870

44.2990, 54.1766,  
52.5964

105.0594,  
123.8254, 123.6309

31.1046, 38.7428,  
37.0952

133.5897,  
156.1055, 156.8812

20.8307, 26.5597,  
24.9848

166.8674,  
193.5582, 195.6150

13.1121, 17.2428,  
15.8468

205.2578,  
236.5680, 240.2510

7.5833, 10.4078,  
9.2627

249.1262,  
285.5190, 291.2076

3.8790, 5.6702,  
4.8137

298.8381,

1.6339, 2.6456,

340.7959, 348.9035

2.0816

354.7587,  
402.7829, 413.7571

■ 0.4144, 0.9496,  
0.6048

■ 0.0000, 0.0000,  
0.0000

■ 60.7794, 73.2453,  
71.9071

■ 60.7794, 73.2453,  
71.9071

■ 54.2698, 70.0467,  
64.5931

■ 68.3113, 76.9638,  
79.7787

■ 48.7296, 67.3348,  
57.8195

■ 76.9031, 81.2152,  
88.2151

■ 44.1103, 65.0869,  
51.5748

■ 86.5979, 86.0235,  
97.2295

■ 40.3564, 63.2746,  
45.8456

■ 88.3763, 86.7390,  
106.4091

■ 37.4064, 61.8664,  
40.6175

■ 88.4303, 86.7606,  
106.6934

■ 35.1898, 60.8264,  
35.8757

■ 33.6230, 60.1116,  
31.6038

■ 32.6129, 59.6696,  
27.9998

# Harmonies

## Analogous

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



63.2372, 73.2453, 61.1572



60.7794, 73.2453, 71.9071



60.6160, 73.2453, 86.1171

# Triad

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



60.7794, 73.2453, 71.9071



71.8060, 73.2453, 109.8860



76.9347, 73.2453, 62.3383

# Complementary

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



60.7794, 73.2453, 71.9071



62.3410, 56.5775, 67.3126

# 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.



79.4687, 73.2453, 73.7079



60.7794, 73.2453, 71.9071



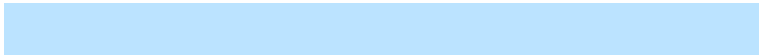
76.4131, 73.2453, 101.7781

# Square

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



60.7794, 73.2453, 71.9071



66.8216, 73.2453, 109.2523



79.2733, 73.2453, 88.1470



72.4903, 73.2453, 56.1059



# Rectangle

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



60.7794, 73.2453, 71.9071



61.8174, 73.2453, 95.7752



79.2733, 73.2453, 88.1470



78.0476, 73.2453, 65.6231

# Sweetspot

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



60.7814, 73.2484, 71.9087



88.4852, 96.7495, 102.5481



63.9671, 75.2229, 57.0481



18.7928, 20.6358, 21.8048



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

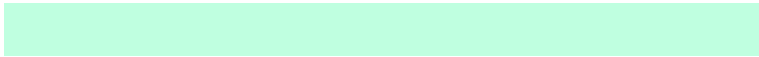


# Same Dimension

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



60.7814, 73.2484, 71.9087



70.8246, 88.0351, 84.1016



63.6311, 74.0266, 88.0293



15.1960, 16.9932, 17.7148



18.5675, 33.8815, 16.2193



1.5066, 2.6799, 1.5295



# Inverse Universe

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



62.3410, 56.5775, 67.3126



73.0833, 63.8939, 77.4471



59.8803, 55.8618, 53.5264



15.3661, 15.1743, 17.2132



20.7783, 10.5140, 9.8997

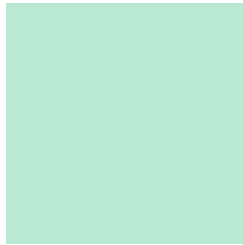


1.6800, 0.8450, 1.0321



# Previews

## White Background



This preview shows how the XYZ color 60.7794, 73.2453, 71.9071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

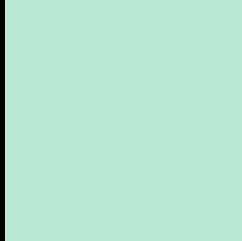
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7794, 73.2453, 71.9071 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

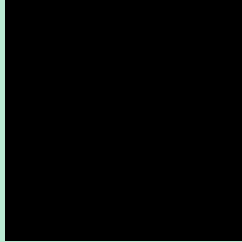
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

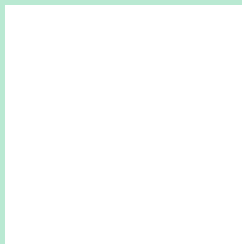
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.7794, 73.2453, 71.9071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.7794, 73.2453, 71.9071.



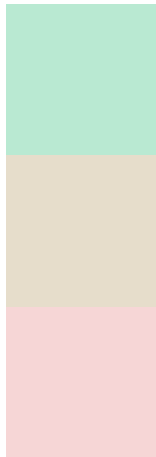
This preview shows how white text looks on a background with the XYZ color 60.7794, 73.2453,



# 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

60.7794, 73.2453, 71.9071

### Protanopia

69.2691, 72.8477, 66.9101

### Deuteranopia

74.1902, 72.5410, 73.7099



## Tritanopia

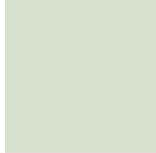
66.1162, 73.3471, 97.8615

# Trichromacy



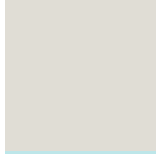
## Original Color

60.7794, 73.2453, 71.9071



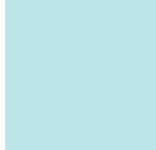
## Protanomaly

65.7973, 72.6028, 68.9384



## Deuteranomaly

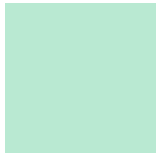
68.6072, 72.3643, 73.3025



## Tritanomaly

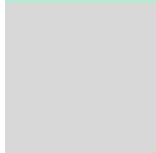
63.9911, 73.2956, 87.8656

# Monochromacy



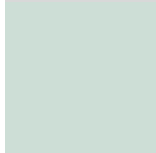
## Original Color

60.7794, 73.2453, 71.9071



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

63.4357, 70.0767, 73.8011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7794, 73.2453, 71.9071 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(185, 233, 210)` looks like.

```
.text, #text, p{  
    color:rgb(185, 233, 210)  
}
```

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(185, 233, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 233, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7794, 73.2453, 71.9071 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(185, 233, 210) }
```



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

```
.border{ border-color:rgb(185, 233, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 233, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(185, 233,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7794, 73.2453, 71.9071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 233, 210) }
```

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

```
.background{ background-color: rgb(185,  
233, 210) }
```

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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