

# Converting Colors

XYZ(62.7815, 72.3271, 78.6523)

Have a look what the booklet for  
XYZ(62.7815, 72.3271, 78.6523)  
contains.

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# Color

**XYZ(62.9299, 72.5434,  
78.3957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1E5DC
RGB	193, 229, 220
RGB Percent	76%, 90%, 86%
CMY	0.2431, 0.1019, 0.1372
CMYK	0.16, 0.00, 0.04, 0.10
HSL	165°, 41%, 83%
HSV	165°, 16%, 90%
XYZ	62.9299, 72.5434, 78.3957
YIQ	217.2100, -18.5670, -10.4310

# Conversions

## Conversions Part 2

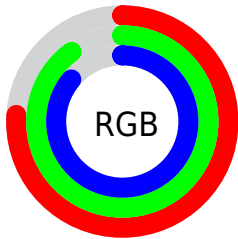
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 214, 229
Decimal	12707292
CIELab	88.23, -13.48, 0.45
CIElCh	88, 13.484, 178.088
Yxy	72.5434, 0.2942, 0.3392
Android (android.graphics.Color)	4290897372 (0xFFC1E5DC)
YUV	217.2100, 1.3755, -21.2322
Hunter-Lab	85.1724, -17.1664, 5.0481

# Details

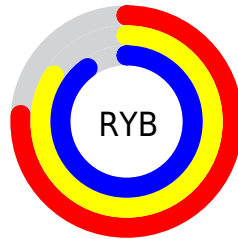
The XYZ color **62.9299, 72.5434, 78.3957** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0463, 59.0641, 64.0106**, and the grayscale version is **66.0990, 69.5413, 75.7304**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **32.3826, 38.0927, 41.2432** is the 20% darker color. If you saturate the color by 10%, you get **56.7929, 69.4678, 74.2180**, and if you desaturate by 10%, it is **70.0009, 76.1015, 82.7558**.

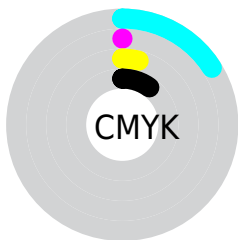
# Distribution



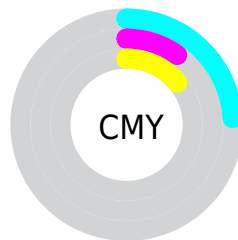
- Red (76%)
- Green (90%)
- Blue (86%)



- Red (76%)
- Yellow (84%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (24%)
- Magenta (10%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9299, 72.5434, 78.3957 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 62.9299, 72.5434, 78.3957 by changing the saturation by 10% instead.



62.9299, 72.5434,  
78.3957

62.9299, 72.5434,  
78.3957

424.9787,  
469.4308, 509.0731

46.0429, 53.6027,  
57.8807

108.1508,  
122.8288, 132.8987

32.4845, 38.2841,  
41.2987

137.2153,  
154.9423, 167.7238

21.8891, 26.2033,  
28.2311

171.0699,  
192.2154, 208.1561

13.8916, 16.9758,  
18.2594

210.0797,  
235.0327, 254.6140

8.1265, 10.2172,  
10.9650

254.6101,  
283.7785, 307.5161

4.2285, 5.5432,  
5.9294

305.0265,

1.8322, 2.5694,

338.8372, 367.2810

2.7341

361.6943,  
400.5931, 434.3271

■ 0.5370, 0.9113,  
0.9605

■ 0.0000, 0.0000,  
0.0000

■ 62.9299, 72.5434,  
78.3957

■ 62.9299, 72.5434,  
78.3957

■ 56.7929, 69.4678,  
74.2180

■ 70.0009, 76.1015,  
82.7558

■ 51.5421, 66.8441,  
70.2145


■ 78.0389, 80.1530,  
87.2967


■ 47.1346, 64.6521,  
66.3834

■ 84.5733, 83.4264,  
91.9054


■ 43.5213, 62.8667,  
62.7211


■ 85.4245, 83.7669,  
96.3878


 40.6482, 61.4600,  
59.2236


 86.3027, 84.1181,  
101.0122


 38.4541, 60.4005,  
55.8866

 87.2081, 84.4803,  
105.7799

 36.8678, 59.6515,  
52.7054

 87.3107, 84.5213,  
106.3202

 35.8017, 59.1679,  
49.6743

 35.4419, 59.0098,  
48.4201

# Harmonies

## Analogous

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



63.8136, 72.5434, 69.9567



62.9299, 72.5434, 78.3957



63.6171, 72.5434, 87.6578

# Triad

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



62.9299, 72.5434, 78.3957



71.9148, 72.5434, 95.7343



72.2844, 72.5434, 64.8358

# Complementary

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



62.9299, 72.5434, 78.3957



62.0463, 59.0641, 64.0106

# 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.



74.5736, 72.5434, 70.9085



62.9299, 72.5434, 78.3957



74.3556, 72.5434, 88.7637

# Square

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



62.9299, 72.5434, 78.3957



68.7434, 72.5434, 98.1230



75.3430, 72.5434, 79.5821



69.1577, 72.5434, 62.5169



# Rectangle

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



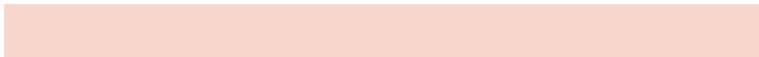
62.9299, 72.5434, 78.3957



64.8859, 72.5434, 92.9711



75.3430, 72.5434, 79.5821



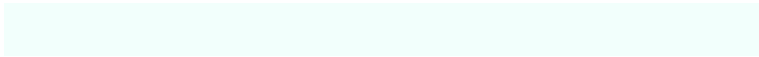
73.1810, 72.5434, 66.4814

# Sweetspot

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



62.9320, 72.5464, 78.3973



90.0047, 97.4579, 106.0065



62.1670, 72.5325, 61.1768



19.1183, 20.7863, 22.6037



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

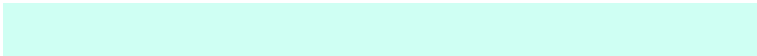


# Same Dimension

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



62.9320, 72.5464, 78.3973



77.5267, 91.1847, 98.2167



61.8884, 68.4993, 84.0921



14.6454, 16.2716, 17.6632



20.3136, 33.7575, 27.9494



1.5377, 2.5092, 2.2579



# Inverse Universe

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



62.0463, 59.0641, 64.0106



76.1862, 70.7648, 76.4309



62.9211, 62.4704, 59.1949



14.5241, 14.4268, 15.6943



18.9417, 9.7109, 3.3222

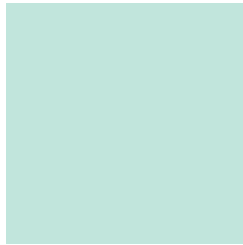


1.4363, 0.7322, 0.4381



# Previews

## White Background



This preview shows how the XYZ color 62.9299, 72.5434, 78.3957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

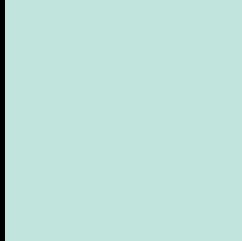
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9299, 72.5434, 78.3957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

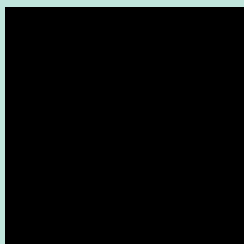
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

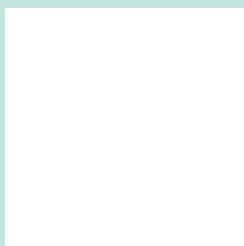
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.9299, 72.5434, 78.3957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9299, 72.5434, 78.3957.



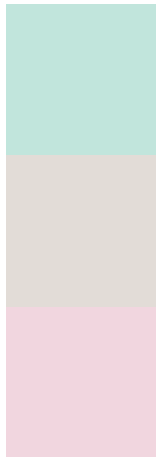
This preview shows how white text looks on a background with the XYZ color 62.9299, 72.5434,



# 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

62.9299, 72.5434, 78.3957

### Protanopia

69.2230, 72.2614, 74.5894

### Deuteranopia

73.6415, 72.1216, 79.8516



## Tritanopia

66.1288, 72.1918, 95.2431

# Trichromacy



## Original Color

62.9299, 72.5434, 78.3957

## Protanomaly

66.6436, 72.0812, 76.0462

## Deuteranomaly

69.2568, 71.7843, 79.3128

## Tritanomaly

64.9567, 72.1266, 89.0955

# Monochromacy



## Original Color

62.9299, 72.5434, 78.3957

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.5238, 70.1848, 76.4759

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9299, 72.5434, 78.3957 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, 229, 220)` looks like.

```
.text, #text, p{  
    color:rgb(193, 229, 220)  
}
```

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, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 229, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9299, 72.5434, 78.3957 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, 229, 220) }
```



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

```
.border{ border-color:rgb(193, 229, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 229, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 229, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 229, 220); box-shadow:4px 4px 4px 4px rgb(193, 229, 220) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9299, 72.5434, 78.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 229, 220) }
```

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

```
.background{ background-color: rgb(193,  
229, 220) }
```

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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