

# Converting Colors

XYZ(59.9945, 72.7203, 83.2755)

Have a look what the booklet for  
XYZ(59.9945, 72.7203, 83.2755)  
contains.

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# Color

**XYZ(60.0173, 72.5945,  
83.5219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE9E3
RGB	172, 233, 227
RGB Percent	67%, 91%, 89%
CMY	0.3255, 0.0863, 0.1098
CMYK	0.26, 0.00, 0.03, 0.09
HSL	174°, 58%, 79%
HSV	174°, 26%, 91%
XYZ	60.0173, 72.5945, 83.5219
YIQ	214.0770, -34.4300, -14.7980

# Conversions

## Conversions Part 2

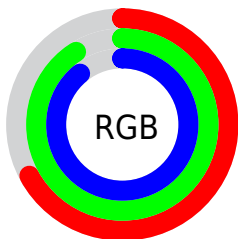
Format	Color
<a href="#">RYB</a>	<a href="#">172, 204, 233</a>
Decimal	<a href="#">11332067</a>
CIELab	<a href="#">88.25, -20.41, -3.33</a>
CIElCh	<a href="#">88, 20.682, 189.274</a>
Yxy	<a href="#">72.5945, 0.2777, 0.3359</a>
Android (android.graphics.Color)	<a href="#">4289522147 (0xFFACE9E3)</a>
YUV	<a href="#">214.0770, 6.3710, -36.9015</a>
Hunter-Lab	<a href="#">85.2024, -23.3673, 1.5211</a>

# Details

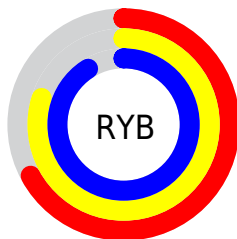
The XYZ color **60.0173, 72.5945, 83.5219** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.3952, 50.0451, 48.8098**, and the grayscale version is **63.9451, 67.2752, 73.2627**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **30.6397, 38.2744, 44.8025** is the 20% darker color. If you saturate the color by 10%, you get **55.0313, 70.0623, 81.6489**, and if you desaturate by 10%, it is **65.9083, 75.5965, 85.4623**.

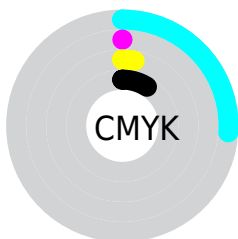
# Distribution



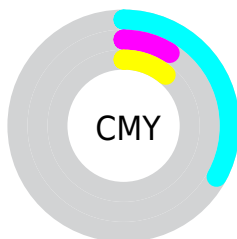
- Red (67%)
- Green (91%)
- Blue (89%)



- Red (67%)
- Yellow (80%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (33%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0173, 72.5945, 83.5219 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 60.0173, 72.5945, 83.5219 by changing the saturation by 10% instead.



60.0173, 72.5945,  
83.5219

60.0173, 72.5945,  
83.5219

414.4953,  
469.6082, 526.7407

43.6821, 53.6445,  
62.0777

103.9610,  
122.9014, 140.1619

30.6175, 38.3175,  
44.6593

132.3001,  
155.0270, 176.1949

20.4582, 26.2292,  
30.8481

165.3713,  
192.3133, 217.9277

12.8387, 16.9952,  
20.2257

203.5399,  
235.1446, 265.7791

7.3938, 10.2311,  
12.3735

247.1713,  
283.9054, 320.1676

3.7581, 5.5524,  
6.8730

296.6307,

1.5662, 2.5749,

338.9799, 381.5117

3.3056

352.2836,  
400.7528, 450.2299

■ 0.3702, 0.9141,  
1.2527

■ 0.0000, 0.0000,  
0.0225

■ 60.0173, 72.5945,  
83.5219

■ 60.0173, 72.5945,  
83.5219

■ 55.0313, 70.0623,  
81.6489

■ 65.9083, 75.5965,  
85.4623

■ 50.8971, 67.9669,  
79.8362

■ 72.7414, 79.0818,  
87.4674

■ 47.5657, 66.2849,  
78.0829

■ 80.5593, 83.0743,  
89.5407

■ 44.9808, 64.9871,  
76.3862

■ 85.5457, 85.6065,  
91.5038

43.0782, 64.0407,  
74.7432

85.8813, 85.7408,  
93.2715

41.7834, 63.4071,  
73.1501

86.2213, 85.8768,  
95.0618

41.0034, 63.0385,  
71.6027

86.5656, 86.0145,  
96.8749

40.7825, 62.9373,  
71.0209

86.9143, 86.1540,  
98.7107

87.2672, 86.2952,  
100.5694

# Harmonies

## Analogous

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



60.4668, 72.5945, 69.7751



60.0173, 72.5945, 83.5219



61.8836, 72.5945, 97.6029

# Triad

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



60.0173, 72.5945, 83.5219



75.2069, 72.5945, 102.1014



72.4257, 72.5945, 56.1726

# Complementary

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



60.0173, 72.5945, 83.5219



56.3952, 50.0451, 48.8098

# 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.



76.6397, 72.5945, 62.9992



60.0173, 72.5945, 83.5219



78.2981, 72.5945, 89.0974

# Square

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



60.0173, 72.5945, 83.5219



70.5455, 72.5945, 109.1437



78.8346, 72.5945, 74.7273



67.4750, 72.5945, 55.0579

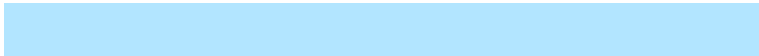


# Rectangle

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



60.0173, 72.5945, 83.5219



64.2449, 72.5945, 104.8929



78.8346, 72.5945, 74.7273



73.9818, 72.5945, 57.8327

# Sweetspot

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



60.0194, 72.5974, 83.5236



87.6175, 96.2055, 106.8739



54.9706, 70.7362, 49.7874



18.4733, 20.4488, 22.7951



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.



60.0194, 72.5974, 83.5236



70.4758, 87.4733, 101.3443



54.4259, 60.0612, 85.8185



15.4501, 17.0948, 19.0528



23.1659, 35.7208, 40.4341



1.8376, 2.8124, 3.2727



# Inverse Universe

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



56.3952, 50.0451, 48.8098



65.3789, 55.7404, 52.5117



60.8834, 59.9652, 47.3967



15.1257, 15.0781, 15.9471



19.1755, 9.8729, 1.4594

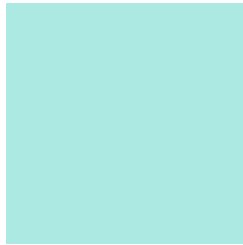


1.5261, 0.7834, 0.2221



# Previews

## White Background



This preview shows how the XYZ color 60.0173, 72.5945, 83.5219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

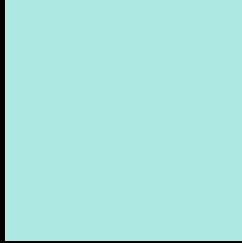
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0173, 72.5945, 83.5219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

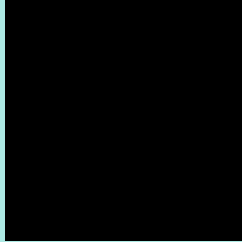
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

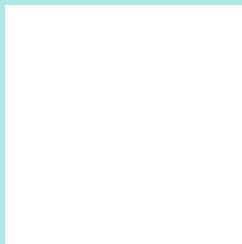
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.0173, 72.5945, 83.5219

## Background



This preview shows how black text looks on a background with the XYZ color 60.0173, 72.5945, 83.5219.



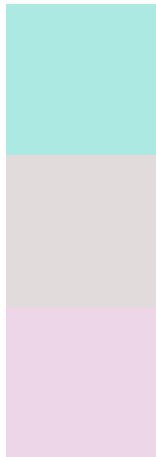
This preview shows how white text looks on a background with the XYZ color 60.0173, 72.5945,



# 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

60.0173, 72.5945, 83.5219

### Protanopia

69.4307, 72.3084, 77.3154

### Deuteranopia

73.3954, 71.8672, 85.6047



## Tritanopia

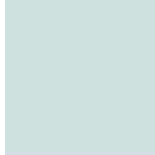
63.3716, 72.7181, 99.5029

# Trichromacy



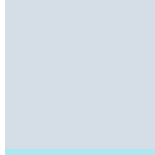
## Original Color

60.0173, 72.5945, 83.5219



## Protanomaly

65.5636, 72.2462, 79.5966



## Deuteranomaly

67.5800, 71.5722, 85.1159



## Tritanomaly

61.9833, 72.5571, 93.1761

# Monochromacy



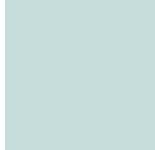
## Original Color

60.0173, 72.5945, 83.5219



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

62.1958, 68.9695, 77.0522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0173, 72.5945, 83.5219 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(172, 233, 227)` looks like.

```
.text, #text, p{  
    color:rgb(172, 233, 227)  
}
```

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(172, 233, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 233, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0173, 72.5945, 83.5219 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(172, 233, 227) }
```



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

```
.border{ border-color:rgb(172, 233, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 233, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 233, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 233, 227);  
box-shadow:4px 4px 4px 4px rgb(172, 233,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0173, 72.5945, 83.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 233, 227) }
```

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

```
.background{ background-color: rgb(172,  
233, 227) }
```

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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