

# Converting Colors

XYZ(60.1527, 72.6403, 80.8041)

Have a look what the booklet for  
XYZ(60.1527, 72.6403, 80.8041)  
contains.

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# Color

**XYZ(60.1374, 72.7195,  
80.6787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">AFE9DF</a>
RGB	<a href="#">175, 233, 223</a>
RGB Percent	<a href="#">69%, 91%, 87%</a>
CMY	<a href="#">0.3137, 0.0863, 0.1255</a>
CMYK	<a href="#">0.25, 0.00, 0.04, 0.09</a>
HSL	<a href="#">170°, 57%, 80%</a>
HSV	<a href="#">170°, 25%, 91%</a>
XYZ	<a href="#">60.1374, 72.7195, 80.6787</a>
YIQ	<a href="#">214.5180, -31.3580, -15.4060</a>

# Conversions

## Conversions Part 2

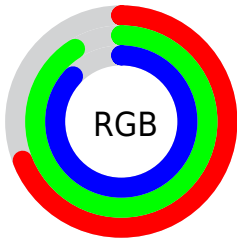
Format	Color
<b>RYB</b>	175, 207, 233
Decimal	11528671
CIELab	88.31, -20.38, -1.13
CIELCh	88, 20.414, 183.168
Yxy	72.7195, 0.2816, 0.3405
Android (android.graphics.Color)	4289718751 (0xFFAFE9DF)
YUV	214.5180, 4.1816, -34.6573
Hunter-Lab	85.2757, -23.3523, 3.5992

# Details

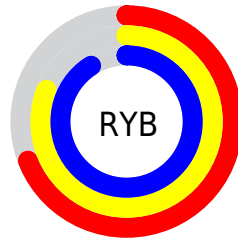
The XYZ color **60.1374, 72.7195, 80.6787** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6938, 51.4884, 52.7994**, and the grayscale version is **64.2551, 67.6013, 73.6178**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **30.6752, 38.3364, 42.8287** is the 20% darker color. If you saturate the color by 10%, you get **54.8174, 70.0407, 77.6363**, and if you desaturate by 10%, it is **66.3768, 75.8746, 83.8343**.

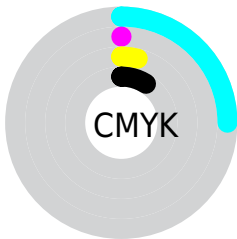
# Distribution



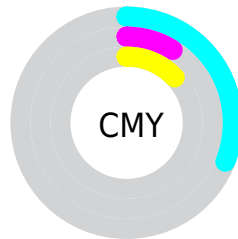
- Red (69%)
- Green (91%)
- Blue (87%)



- Red (69%)
- Yellow (81%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1374, 72.7195, 80.6787 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 60.1374, 72.7195, 80.6787 by changing the saturation by 10% instead.





 60.1374, 72.7195,  
80.6787

 60.1374, 72.7195,  
80.6787


414.9307,  
470.0421, 516.9841

 43.7793, 53.7466,  
59.7476

 104.1342,  
123.0789, 136.1395

 30.6942, 38.3991,  
42.7912


132.5035,  
155.2343, 171.5063

 20.5168, 26.2926,  
29.3912


165.6073,  
192.5526, 212.5221

 12.8817, 17.0427,  
19.1288

203.8110,  
235.4182, 259.6053

 7.4236, 10.2649,  
11.5856

247.4797,  
284.2156, 313.1746

 3.7770, 5.5750,  
6.3431

296.9791,

 1.5768, 2.5884,

339.3291, 373.6485

2.9827

352.6742,  
401.1431, 441.4455

■ 0.3772, 0.9208,  
1.0858

■ 0.0000, 0.0000,  
0.0000

■ 60.1374, 72.7195,  
80.6787

■ 60.1374, 72.7195,  
80.6787

■ 54.8174, 70.0407,  
77.6363

■ 66.3768, 75.8746,  
83.8343

■ 50.3641, 67.8053,  
74.6996

■ 73.5723, 79.5192,  
87.1008

■ 46.7290, 65.9903,  
71.8674

■ 81.7665, 83.6771,  
90.4820

■ 43.8563, 64.5668,  
69.1366

■ 85.9713, 85.7769,  
93.7449

■ 41.6831, 63.5025,  
66.5039

■ 86.5720, 86.0171,  
96.9082

■ 40.1363, 62.7597,  
63.9652

■ 87.1860, 86.2627,  
100.1413

■ 39.1264, 62.2922,  
61.5160

■ 87.8133, 86.5137,  
103.4450

■ 38.7459, 62.1227,  
60.2962

■ 88.4302, 86.7604,  
106.6934

# Harmonies

## Analogous

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



61.0527, 72.7195, 67.6221



60.1374, 72.7195, 80.6787



61.5329, 72.7195, 94.8651

# Triad

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



60.1374, 72.7195, 80.6787



74.3973, 72.7195, 103.9605



73.4548, 72.7195, 57.4745

# Complementary

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



60.1374, 72.7195, 80.6787



57.6938, 51.4884, 52.7994

# 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.



77.3015, 72.7195, 65.3253



60.1374, 72.7195, 80.6787



77.8634, 72.7195, 91.9833

# Square

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



60.1374, 72.7195, 80.6787



69.6393, 72.7195, 109.2664



78.9503, 72.7195, 77.6983



68.5987, 72.7195, 55.1941

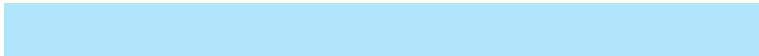


# Rectangle

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



60.1374, 72.7195, 80.6787



63.6263, 72.7195, 102.7796



78.9503, 72.7195, 77.6983



74.9163, 72.7195, 59.4999

# Sweetspot

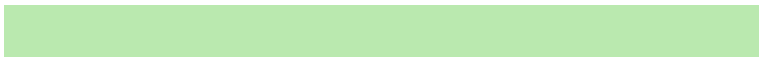
The Sweet Spot groups the original color and five complimentary colors.



60.1395, 72.7225, 80.6803



88.2934, 96.5737, 106.0174



57.0398, 71.7693, 51.4053



18.7798, 20.6106, 22.6396



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

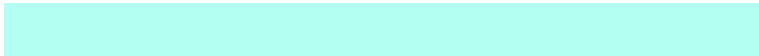


# Same Dimension

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



60.1395, 72.7225, 80.6803



70.2331, 87.4434, 97.0290



56.5966, 63.4141, 86.3514



15.3997, 17.0747, 18.7875



22.0251, 35.2645, 34.4268



1.7589, 2.7809, 2.8581



# Inverse Universe

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



57.6938, 51.4884, 52.7994



66.7405, 57.0923, 57.1934



60.4957, 58.7233, 48.7050



15.1715, 15.0964, 16.1883



19.3181, 9.9299, 2.2103

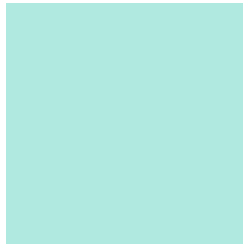


1.5479, 0.7921, 0.3365



# Previews

## White Background



This preview shows how the XYZ color 60.1374, 72.7195, 80.6787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

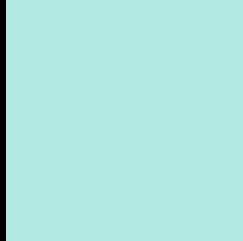
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1374, 72.7195, 80.6787 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

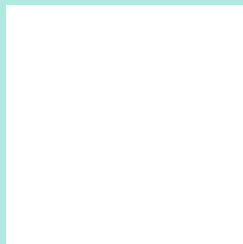
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.1374, 72.7195, 80.6787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.1374, 72.7195, 80.6787.



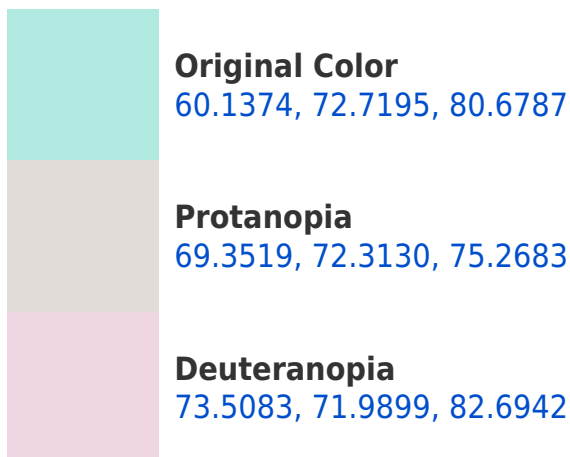
This preview shows how white text looks on a background with the XYZ color 60.1374, 72.7195,



# 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

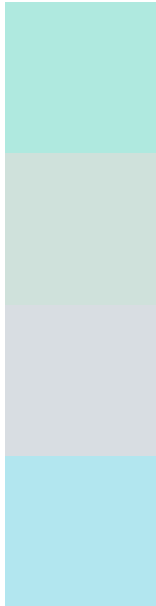




## Tritanopia

63.7850, 72.5192, 99.4427

# Trichromacy



**Original Color**

60.1374, 72.7195, 80.6787

**Protanomaly**

65.4435, 72.2303, 77.5104

**Deuteranomaly**

67.9028, 71.8028, 82.2320

**Tritanomaly**

62.2369, 72.2906, 92.3346

# Monochromacy



**Original Color**

60.1374, 72.7195, 80.6787

**Achromatopsia**

64.5905, 67.9542, 74.0022

**Achromatomaly**

62.5956, 69.5839, 76.4616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1374, 72.7195, 80.6787 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(175, 233, 223)` looks like.

```
.text, #text, p{  
    color:rgb(175, 233, 223)  
}
```

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(175, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 233, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1374, 72.7195, 80.6787 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(175, 233, 223) }
```



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

```
.border{ border-color:rgb(175, 233, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 233, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(175, 233,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1374, 72.7195, 80.6787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 233, 223) }
```

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

```
.background{ background-color: rgb(175,  
233, 223) }
```

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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