

Converting Colors

XYZ(60.8368, 77.5019, 80.7722)

Have a look what the booklet for
XYZ(60.8368, 77.5019, 80.7722)
contains.

XYZ(60.7525, 77.3744, 80.8400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(60.7525, 77.3744,
80.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F3DE
RGB	165, 243, 222
RGB Percent	65%, 95%, 87%
CMY	0.3529, 0.0470, 0.1294
CMYK	0.32, 0.00, 0.09, 0.05
HSL	164°, 76%, 80%
HSV	164°, 32%, 95%
XYZ	60.7525, 77.3744, 80.8400
YIQ	217.2840, -39.7470, -23.0670

Conversions

Conversions Part 2

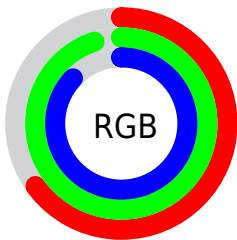
Format	Color
R_{YB}	165, 210, 243
Decimal	10875870
CIE _{Lab}	90.49, -28.32, 2.51
CIE _{LCh}	90, 28.432, 174.936
Yxy	77.3744, 0.2775, 0.3534
Android (android.graphics.Color)	4289065950 (0xFFA5F3DE)
YUV	217.2840, 2.3250, -45.8531
Hunter-Lab	87.9627, -30.6516, 7.0849

Details

The XYZ color **60.7525, 77.3744, 80.8400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.2829, 49.5123, 52.8899**, and the grayscale version is **66.1540, 69.5991, 75.7934**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **31.1758, 41.6457, 42.9545** is the 20% darker color. If you saturate the color by 10%, you get **55.3107, 74.6705, 76.0971**, and if you desaturate by 10%, it is **67.1930, 80.5933, 85.8107**.

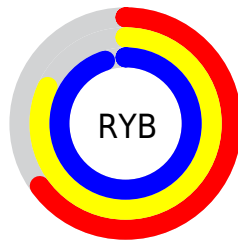
Distribution



Red (65%)

Green (95%)

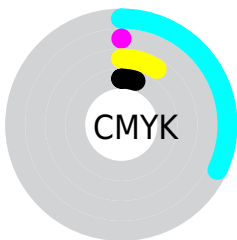
Blue (87%)



Red (65%)

Yellow (82%)

Blue (95%)

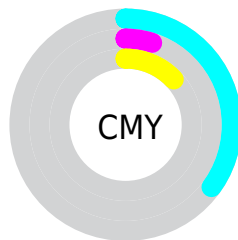


Cyan (32%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (35%)


Magenta (5%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7525, 77.3744, 80.8400 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 60.7525, 77.3744, 80.8400 by changing the saturation by 10% instead.


 60.7525, 77.3744,
80.8400

 60.7525, 77.3744,
80.8400

417.1564,
486.0396, 517.5404

 44.2772, 57.5602,
59.8796


 105.0206,
129.6679, 136.3681

 31.0874, 41.4552,
42.8969


 133.5442,
162.9159, 171.7729

 20.8175, 28.6749,
29.4735

166.8146,
201.4107, 212.8297

 13.1024, 18.8350,
19.1906

205.1972,
245.5366, 259.9568

 7.5766, 11.5511,
11.6299

249.0573,
295.6781, 313.5729

 3.8747, 6.4388,
6.3727

298.7603,

 1.6315, 3.1137,

352.2195, 374.0965

3.0006

354.6715,
415.5452, 441.9462

0.4128, 1.1914,
1.0949

0.0000, 0.0547,
0.0000

60.7525, 77.3744,
80.8400

60.7525, 77.3744,
80.8400

55.3107, 74.6705,
76.0971

67.1930, 80.5933,
85.8107

50.8061, 72.4437,
71.5721

74.6762, 84.3437,
91.0081

47.1806, 70.6663,
67.2619

83.2514, 88.6531,
96.4382

44.3664, 69.3034,
63.1613

90.2623, 92.1520,
101.9786

■ 42.2857, 68.3149,
59.2645

■ 91.2965, 92.5657,
107.4246

■ 40.8449, 67.6525,
55.5651

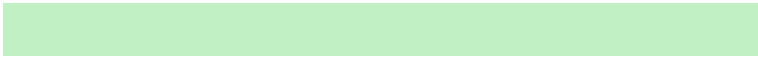
■ 91.3419, 92.5838,
107.6640

■ 40.0450, 67.3011,
52.7749

Harmonies

Analogous

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



62.9142, 77.3744, 63.7046



60.7525, 77.3744, 80.8400



61.8334, 77.3744, 101.8485

Triad

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



60.7525, 77.3744, 80.8400



79.4552, 77.3744, 124.9523



81.6754, 77.3744, 56.1023

Complementary

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



60.7525, 77.3744, 80.8400



59.2829, 49.5123, 52.8899

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.



86.6426, 77.3744, 68.8011



60.7525, 77.3744, 80.8400



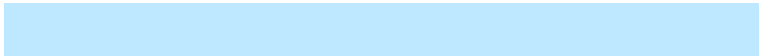
85.3040, 77.3744, 108.7908

Square

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



60.7525, 77.3744, 80.8400



72.3424, 77.3744, 129.5538



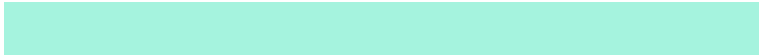
88.0113, 77.3744, 87.7496



74.7549, 77.3744, 50.9674

Rectangle

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



60.7525, 77.3744, 80.8400



64.2863, 77.3744, 115.0241



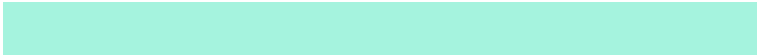
88.0113, 77.3744, 87.7496



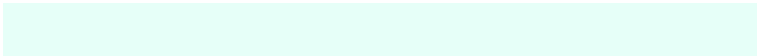
83.6461, 77.3744, 59.5177

Sweetspot

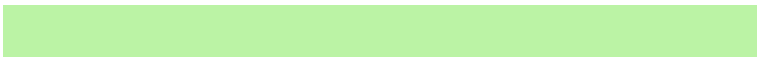
The Sweet Spot groups the original color and five complimentary colors.



60.7547, 77.3775, 80.8418



85.1969, 95.0460, 102.7712



59.3626, 77.3984, 47.4095



17.9607, 20.2057, 21.8174



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.



60.7547, 77.3775, 80.8418



63.4178, 84.1569, 86.4620



58.9207, 68.9204, 94.9951



16.7951, 18.6772, 20.2055



22.0364, 36.9594, 29.2751



1.9795, 3.2654, 2.7978

Inverse Universe

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



59.2829, 49.5123, 52.8899



61.5305, 48.2772, 50.5093



60.4637, 55.1886, 43.0645



16.6824, 16.5558, 18.0740



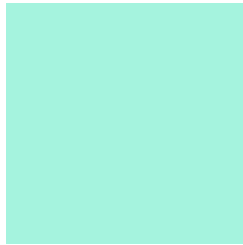
20.8645, 10.6893, 3.9951



1.8749, 0.9559, 0.5678

Previews

White Background



This preview shows how the XYZ color 60.7525, 77.3744, 80.8400 looks on a white background.

Color Contrast Check

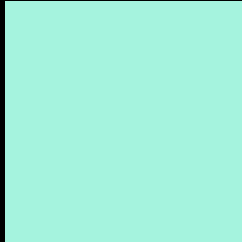
Large Text (above 18pt) WCAG AA × Fail

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 60.7525, 77.3744, 80.8400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

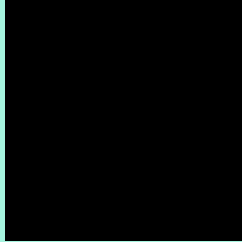
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

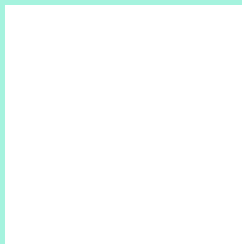
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.7525, 77.3744, 80.8400

Background



This preview shows how black text looks on a background with the XYZ color 60.7525, 77.3744, 80.8400.



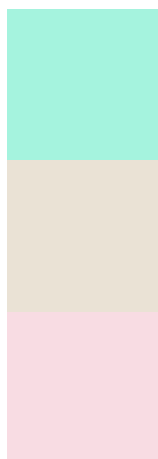
This preview shows how white text looks on a background with the XYZ color 60.7525, 77.3744,

80.8400.

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

60.7525, 77.3744, 80.8400

Protanopia

73.1383, 76.6892, 73.8985

Deuteranopia

78.1697, 76.6889, 83.3555



Tritanopia

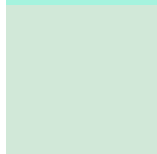
66.4656, 77.1355, 105.9933

Trichromacy



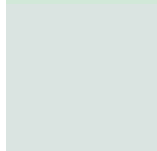
Original Color

60.7525, 77.3744, 80.8400



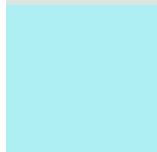
Protanomaly

67.5458, 76.2264, 76.1189



Deuteranomaly

70.2475, 75.8285, 82.1681



Tritanomaly

64.2777, 77.0883, 96.2858

Monochromacy



Original Color

60.7525, 77.3744, 80.8400



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.2712, 71.5130, 77.4865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7525, 77.3744, 80.8400 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(165, 243, 222)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 222)  
}
```

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(165, 243, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 222) }
```

Border

The CSS property to change the border of an element to XYZ 60.7525, 77.3744, 80.8400 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(165, 243, 222) }
```


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

```
.border{ border-color:rgb(165, 243, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 243, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 222);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7525, 77.3744, 80.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 222) }
```

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

```
.background{ background-color: rgb(165,  
243, 222) }
```

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