

Converting Colors

XYZ(62.3785, 80.4278, 87.1484)

Have a look what the booklet for
XYZ(62.3785, 80.4278, 87.1484)
contains.

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Color

**XYZ(62.3475, 80.3216,
87.0805)**

Conversions

Conversions Part 1

Format	Color
Hex	A0F8E6
RGB	160, 248, 230
RGB Percent	63%, 97%, 90%
CMY	0.3725, 0.0274, 0.0980
CMYK	0.35, 0.00, 0.07, 0.03
HSL	168°, 86%, 80%
HSV	168°, 35%, 97%
XYZ	62.3475, 80.3216, 87.0805
YIQ	219.6360, -46.6700, -24.2540

Conversions

Conversions Part 2

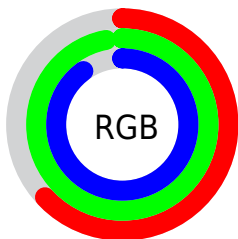
Format	Color
R _{YB}	160, 209, 248
Decimal	10549478
CIE _{Lab}	91.83, -30.34, 0.27
CIE _{LCh}	92, 30.341, 179.496
Y _{xy}	80.3216, 0.2714, 0.3496
Android (android.graphics.Color)	4288739558 (0xFFA0F8E6)
YUV	219.6360, 5.1095, -52.3008
Hunter-Lab	89.6223, -32.6621, 5.1272

Details

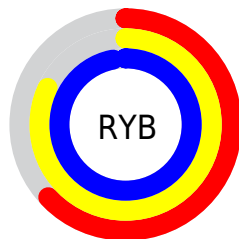
The XYZ color **62.3475, 80.3216, 87.0805** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3208, 48.3145, 48.3215**, and the grayscale version is **67.7645, 71.2935, 77.6387**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **32.0776, 43.2998, 47.2245** is the 20% darker color. If you saturate the color by 10%, you get **57.1739, 77.7377, 83.1744**, and if you desaturate by 10%, it is **68.5353, 83.4300, 91.1458**.

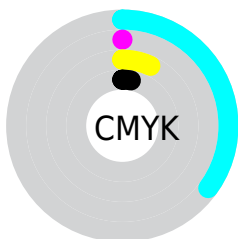
Distribution



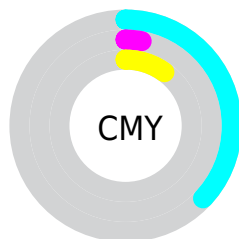
- Red (63%)
- Green (97%)
- Blue (90%)



- Red (63%)
- Yellow (82%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)




- Cyan (37%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.3475, 80.3216, 87.0805 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 62.3475, 80.3216, 87.0805 by changing the saturation by 10% instead.


 62.3475, 80.3216,
87.0805


 62.3475, 80.3216,
87.0805


422.8949,
496.0160, 538.8104

 45.5702, 59.9830,
65.0018


 107.3147,
133.8178, 145.1762

 32.1100, 43.4050,
47.0112


 136.2353,
167.7442, 182.0303

 21.6015, 30.2030,
32.6901

169.9345,
206.9687, 224.6466

 13.6793, 19.9927,
21.6200

208.7774,
251.8756, 273.4437

 7.9782, 12.3897,
13.3823

253.1296,
302.8494, 328.8401

 4.1327, 7.0097,
7.5585

303.3564,

 1.7775, 3.4682,

360.2745, 391.2543

3.7301

359.8230,
424.5352, 461.1049

0.5040, 1.3808,
1.4785

0.0000, 0.2025,
0.2018

62.3475, 80.3216,
87.0805

62.3475, 80.3216,
87.0805

57.1739, 77.7377,
83.1744

68.5353, 83.4300,
91.1458

52.9484, 75.6381,
79.4183

75.7848, 87.0814,
95.3682

49.6076, 73.9923,
75.8101

84.1488, 91.3048,
99.7528

47.0776, 72.7621,
72.3453

92.1106, 95.3184,
104.2295

■ 45.2718, 71.9029,
69.0190

■ 92.8588, 95.6177,
108.1696

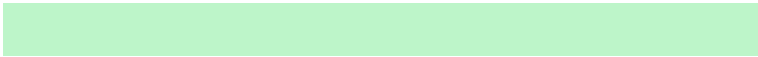
■ 44.0836, 71.3598,
65.8252

■ 43.6778, 71.1813,
64.4227

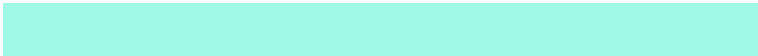
Harmonies

Analogous

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



64.1725, 80.3216, 67.4727



62.3475, 80.3216, 87.0805



64.0554, 80.3216, 110.2783

Triad

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



62.3475, 80.3216, 87.0805



83.9438, 80.3216, 130.2701



84.1866, 80.3216, 55.5086

Complementary

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



62.3475, 80.3216, 87.0805



59.3208, 48.3145, 48.3215

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.



90.1099, 80.3216, 68.0229



62.3475, 80.3216, 87.0805



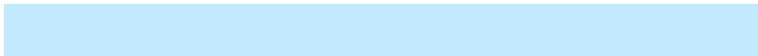
89.9631, 80.3216, 111.0414

Square

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



62.3475, 80.3216, 87.0805



76.2118, 80.3216, 137.6411



92.2909, 80.3216, 87.8337



76.4748, 80.3216, 51.2469

Rectangle

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



62.3475, 80.3216, 87.0805



67.0385, 80.3216, 124.2214



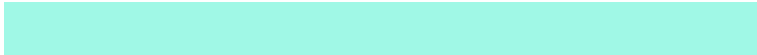
92.2909, 80.3216, 87.8337



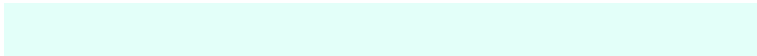
86.4715, 80.3216, 58.7719

Sweetspot

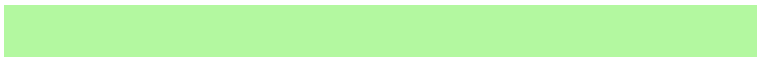
The Sweet Spot groups the original color and five complimentary colors.



62.3498, 80.3248, 87.0823



84.5625, 94.6987, 103.6585



58.5208, 79.2679, 45.4748



17.8452, 20.1409, 22.0520



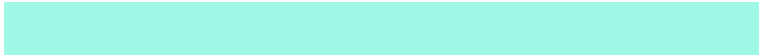
0.0000, 0.0000, 0.0000



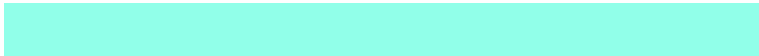
20.3446, 21.4041, 23.3091

Same Dimension

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



62.3498, 80.3248, 87.0823



62.1452, 83.4301, 89.5963



57.8484, 67.0647, 98.7066



17.6047, 19.5442, 21.3851



23.6460, 38.4714, 35.0746



2.2271, 3.5779, 3.4437

Inverse Universe

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



59.3208, 48.3145, 48.3215



58.4665, 44.4369, 42.4348



62.3942, 57.1669, 41.0048



17.3898, 17.2833, 18.6425



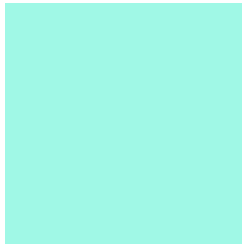
21.2716, 10.9244, 2.8726



2.0064, 1.0263, 0.4571

Previews

White Background



This preview shows how the XYZ color 62.3475, 80.3216, 87.0805 looks on a white background.

Color Contrast Check

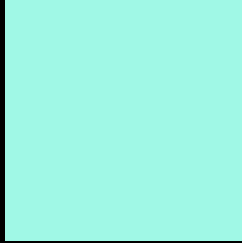
Large Text (above 18pt) WCAG AA × Fail

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 62.3475, 80.3216, 87.0805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

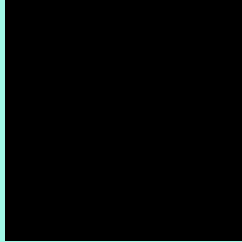
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3475, 80.3216, 87.0805

Background



This preview shows how black text looks on a background with the XYZ color 62.3475, 80.3216, 87.0805.

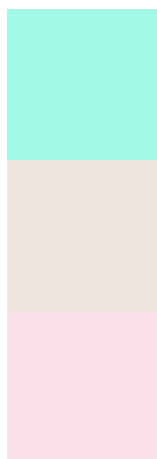


This preview shows how white text looks on a background with the XYZ color 62.3475, 80.3216,

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

62.3475, 80.3216, 87.0805

Protanopia

76.1401, 79.7655, 79.0934

Deuteranopia

81.1667, 79.2827, 89.6224



Tritanopia

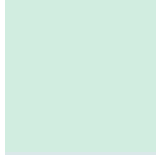
69.4598, 79.9793, 106.3844

Trichromacy



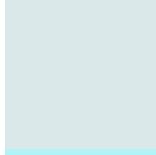
Original Color

62.3475, 80.3216, 87.0805



Protanomaly

70.0332, 79.5055, 82.1760



Deuteranomaly

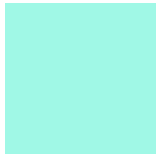
72.4780, 78.5018, 88.4232



Tritanomaly

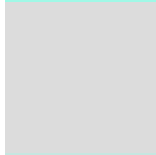
66.8166, 80.1021, 99.1284

Monochromacy



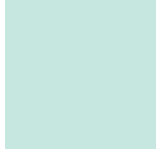
Original Color

62.3475, 80.3216, 87.0805



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.0401, 73.9812, 81.3728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3475, 80.3216, 87.0805 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(160, 248, 230)` looks like.

```
.text, #text, p{  
    color:rgb(160, 248, 230)  
}
```

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(160, 248, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 248, 230) }
```

Border

The CSS property to change the border of an element to XYZ 62.3475, 80.3216, 87.0805 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(160, 248, 230) }
```


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

```
.border{ border-color:rgb(160, 248, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 248, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 248, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 248, 230);  
box-shadow:4px 4px 4px 4px rgb(160, 248,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3475, 80.3216, 87.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 248, 230) }
```

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

```
.background{ background-color: rgb(160,  
248, 230) }
```

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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