

Converting Colors

XYZ(62.1839, 78.1782, 88.1709)

Have a look what the booklet for
XYZ(62.1839, 78.1782, 88.1709)
contains.

XYZ(62.4332, 78.5269, 88.2106)	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(62.4332, 78.5269,
88.2106)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F4E8
RGB	165, 244, 232
RGB Percent	65%, 96%, 91%
CMY	0.3529, 0.0431, 0.0902
CMYK	0.32, 0.00, 0.05, 0.04
HSL	171°, 78%, 80%
HSV	171°, 32%, 96%
XYZ	62.4332, 78.5269, 88.2106
YIQ	219.0110, -43.2320, -20.4800

Conversions

Conversions Part 2

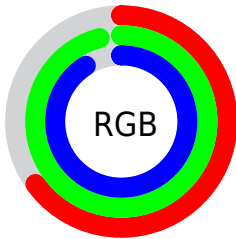
Format	Color
R _Y B	165, 208, 244
Decimal	10876136
CIE Lab	91.02, -26.65, -1.93
CIE LCh	91, 26.723, 184.137
Yxy	78.5269, 0.2724, 0.3427
Android (android.graphics.Color)	4289066216 (0xFFA5F4E8)
YUV	219.0110, 6.4036, -47.3676
Hunter-Lab	88.6154, -29.3164, 3.0116

Details

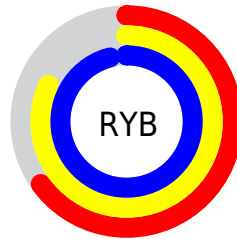
The XYZ color **62.4332, 78.5269, 88.2106** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.7018, 49.3198, 48.0237**, and the grayscale version is **67.3199, 70.8257, 77.1292**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **32.2501, 42.4160, 47.5616** is the 20% darker color. If you saturate the color by 10%, you get **57.3136, 75.9499, 85.2525**, and if you desaturate by 10%, it is **68.5366, 81.6138, 91.2762**.

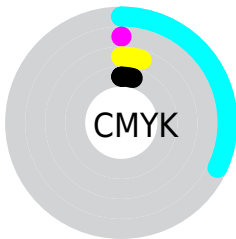
Distribution



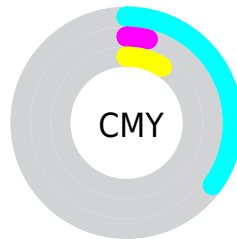
- Red (65%)
- Green (96%)
- Blue (91%)



- Red (65%)
- Yellow (82%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (35%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4332, 78.5269, 88.2106 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 62.4332, 78.5269, 88.2106 by changing the saturation by 10% instead.


 62.4332, 78.5269,
88.2106


 62.4332, 78.5269,
88.2106


423.2019,
489.9544, 542.6118

 45.6397, 58.5069,
65.9322


 107.4378,
131.2926, 146.7640

 32.1651, 42.2163,
47.7612


 136.3796,
164.8071, 183.8761

 21.6438, 29.2707,
33.2792

170.1017,
203.5886, 226.7698

 13.7105, 19.2857,
22.0675

208.9692,
248.0215, 275.8637

 7.9999, 11.8769,
13.7077

253.3477,
298.4901, 331.5763

 4.1467, 6.6599,
7.7813

303.6024,

 1.7855, 3.2503,

355.3789, 394.3262

3.8695

360.0987,
419.0722, 464.5318

■ 0.5089, 1.2638,
1.5540

■ 0.0000, 0.1129,
0.2577

■ 62.4332, 78.5269,
88.2106

■ 62.4332, 78.5269,
88.2106

■ 57.3136, 75.9499,
85.2525

■ 68.5366, 81.6138,
91.2762

■ 53.1158, 73.8447,
82.3934


■ 75.6679, 85.2274,
94.4465


■ 49.7811, 72.1833,
79.6320

■ 83.8769, 89.3952,
97.7259

■ 47.2413, 70.9304,
76.9648

■ 90.3544, 92.6691,
100.9834


 45.4178, 70.0455,
74.3877

 90.9318, 92.9000,
104.0240

 44.2157, 69.4797,
71.8958

 91.5207, 93.1356,
107.1250

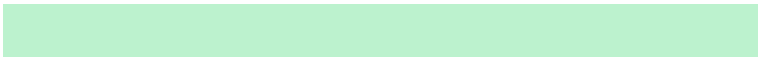
 43.6063, 69.2058,
70.0482

 91.6421, 93.1841,
107.7640

Harmonies

Analogous

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



63.5633, 78.5269, 70.2998



62.4332, 78.5269, 88.2106



64.4078, 78.5269, 108.0894

Triad

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



62.4332, 78.5269, 88.2106



82.1558, 78.5269, 120.0831



80.4399, 78.5269, 56.2418

Complementary

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



62.4332, 78.5269, 88.2106



58.7018, 49.3198, 48.0237

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.



85.8967, 78.5269, 66.3040



62.4332, 78.5269, 88.2106



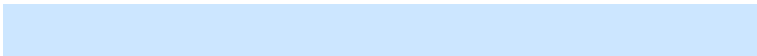
86.9285, 78.5269, 102.7526

Square

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



62.4332, 78.5269, 88.2106



75.5772, 78.5269, 128.1638



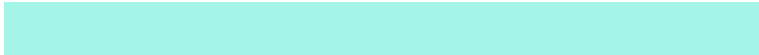
88.3367, 78.5269, 82.8503



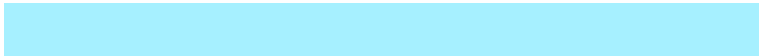
73.7056, 78.5269, 53.5451

Rectangle

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



62.4332, 78.5269, 88.2106



67.2933, 78.5269, 119.2801



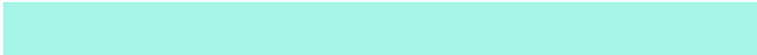
88.3367, 78.5269, 82.8503



82.4974, 78.5269, 58.7918

Sweetspot

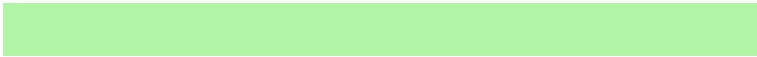
The Sweet Spot groups the original color and five complimentary colors.



62.4355, 78.5301, 88.2124



85.6653, 95.2334, 105.2376



57.5430, 76.9059, 47.4102



18.0746, 20.2513, 22.4171



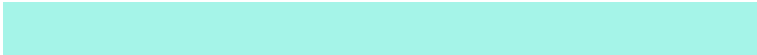
0.0000, 0.0000, 0.0000



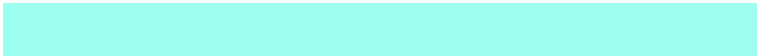
20.3446, 21.4041, 23.3091

Same Dimension

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



62.4355, 78.5301, 88.2124



65.0953, 84.8279, 95.2953



56.8336, 64.5037, 95.0466



16.8821, 18.7120, 20.6637



23.7507, 37.6451, 38.3027



2.1161, 3.3201, 3.5175

Inverse Universe

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



58.7018, 49.3198, 48.0237



60.3714, 47.8135, 44.4051



62.8059, 59.3593, 43.7460



16.6017, 16.5235, 17.6493



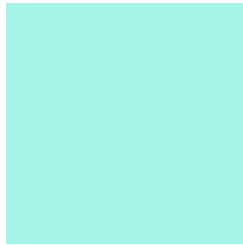
20.4992, 10.5431, 2.0710



1.8318, 0.9387, 0.3405

Previews

White Background



This preview shows how the XYZ color 62.4332, 78.5269, 88.2106 looks on a white background.

Color Contrast Check

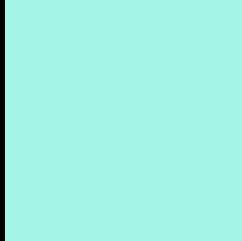
Large Text (above 18pt) WCAG AA × Fail

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 62.4332, 78.5269, 88.2106 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 62.4332, 78.5269, 88.2106

Background



This preview shows how black text looks on a background with the XYZ color 62.4332, 78.5269, 88.2106.

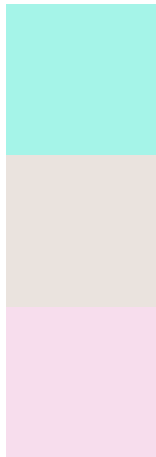


This preview shows how white text looks on a background with the XYZ color 62.4332, 78.5269,

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

62.4332, 78.5269, 88.2106

Protanopia

74.5856, 77.7045, 80.1746

Deuteranopia

79.5003, 77.6015, 90.9092



Tritanopia

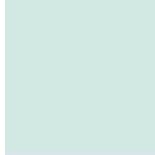
67.6806, 78.1928, 106.1333

Trichromacy



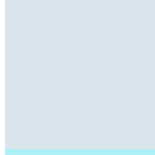
Original Color

62.4332, 78.5269, 88.2106



Protanomaly

69.1609, 77.3241, 83.2314



Deuteranomaly

71.6300, 76.7885, 89.6436



Tritanomaly

65.6278, 78.1495, 99.6211

Monochromacy



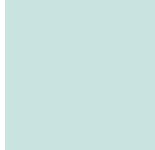
Original Color

62.4332, 78.5269, 88.2106



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.7511, 73.0107, 81.2007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4332, 78.5269, 88.2106 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, 244, 232)` looks like.

```
.text, #text, p{  
    color:rgb(165, 244, 232)  
}
```

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, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 244, 232) }
```

Border

The CSS property to change the border of an element to XYZ 62.4332, 78.5269, 88.2106 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, 244, 232) }
```


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

```
.border{ border-color:rgb(165, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(165, 244,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4332, 78.5269, 88.2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 244, 232) }
```

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

```
.background{ background-color: rgb(165,  
244, 232) }
```

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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