

Converting Colors

XYZ(61.9236, 79.8793, 80.2859)

Have a look what the booklet for
XYZ(61.9236, 79.8793, 80.2859)
contains.

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Color

**XYZ(61.8290, 79.7413,
80.5395)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F7DD
RGB	165, 247, 221
RGB Percent	65%, 97%, 87%
CMY	0.3529, 0.0314, 0.1333
CMYK	0.33, 0.00, 0.11, 0.03
HSL	161°, 84%, 81%
HSV	161°, 33%, 97%
XYZ	61.8290, 79.7413, 80.5395
YIQ	219.5180, -40.5260, -25.4700

Conversions

Conversions Part 2

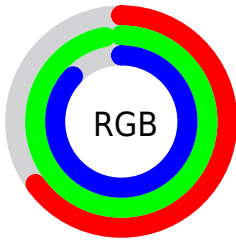
Format	Color
RYB	165, 214, 247
Decimal	10876893
CIELab	91.57, -30.43, 4.59
CIELCh	92, 30.769, 171.425
Yxy	79.7413, 0.2784, 0.3590
Android (android.graphics.Color)	4289066973 (0xFFA5F7DD)
YUV	219.5180, 0.7306, -47.8123
Hunter-Lab	89.2980, -32.6799, 9.0338

Details

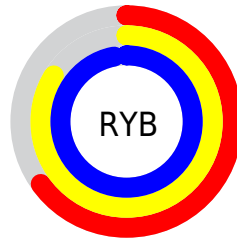
The XYZ color **61.8290, 79.7413, 80.5395** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.2197, 50.4482, 55.8044**, and the grayscale version is **67.7089, 71.2350, 77.5749**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **31.7268, 42.8951, 42.6838** is the 20% darker color. If you saturate the color by 10%, you get **56.1602, 76.9388, 74.9543**, and if you desaturate by 10%, it is **68.5431, 83.0812, 86.4312**.

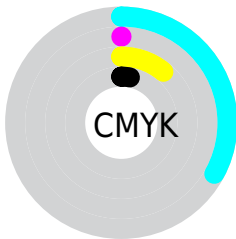
Distribution



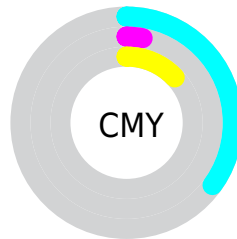
- Red (65%)
- Green (97%)
- Blue (87%)



- Red (65%)
- Yellow (84%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





- Cyan (35%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8290, 79.7413, 80.5395 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 61.8290, 79.7413, 80.5395 by changing the saturation by 10% instead.


 61.8290, 79.7413,
80.5395


 61.8290, 79.7413,
80.5395


421.0346,
494.0606, 516.5038

 45.1496, 59.5055,
59.6336


 106.5697,
133.0020, 135.9422

 31.7771, 43.0202,
42.7000


 135.3617,
166.7956, 171.2761

 21.3460, 29.9009,
29.3202


168.9220,
205.8773, 212.2565

 13.4911, 19.7634,
19.0755

207.6158,
250.6314, 259.3019

 7.8469, 12.2232,
11.5475

251.8087,
301.4425, 312.8307

 4.0481, 6.8959,
6.3176

301.8658,

 1.7294, 3.3971,

358.6947, 373.2616

2.9672

358.1527,
422.7726, 441.0131

■ 0.4746, 1.3424,
1.0779

■ 0.0000, 0.1737,
0.0000

■ 61.8290, 79.7413,
80.5395

■ 61.8290, 79.7413,
80.5395

■ 56.1602, 76.9388,
74.9543

■ 68.5431, 83.0812,
86.4312

■ 51.4720, 74.6342,
69.6640

■ 76.3492, 86.9763,
92.6299

■ 47.7028, 72.7979,
64.6640

■ 85.2991, 91.4553,
99.1430

■ 44.7809, 71.3930,
59.9474

■ 92.1255, 94.8337,
105.8207

■ 42.6236, 70.3769,
55.5065

■ 92.5522, 95.0043,
108.0674

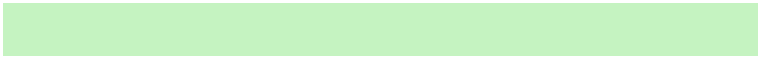
■ 41.1304, 69.6979,
51.3331

■ 40.3935, 69.3769,
48.6406

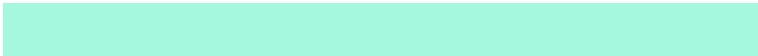
Harmonies

Analogous

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



64.5966, 79.7413, 62.5706



61.8290, 79.7413, 80.5395



62.5952, 79.7413, 103.5860

Triad

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



61.8290, 79.7413, 80.5395



81.4382, 79.7413, 133.5849



85.5950, 79.7413, 57.2329

Complementary

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



61.8290, 79.7413, 80.5395



61.2197, 50.4482, 55.8044

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.



90.7236, 79.7413, 71.9767



61.8290, 79.7413, 80.5395



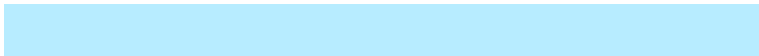
88.2108, 79.7413, 116.6538

Square

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



61.8290, 79.7413, 80.5395



73.5641, 79.7413, 136.9489



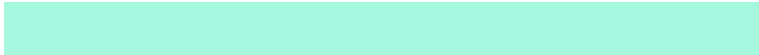
91.7126, 79.7413, 93.4287



78.0639, 79.7413, 50.7206

Rectangle

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



61.8290, 79.7413, 80.5395



65.0313, 79.7413, 118.6701



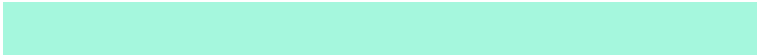
91.7126, 79.7413, 93.4287



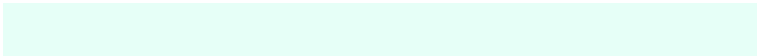
87.6781, 79.7413, 61.2564

Sweetspot

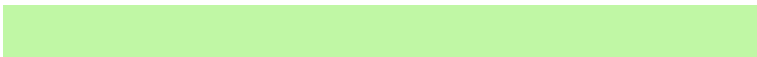
The Sweet Spot groups the original color and five complimentary colors.



61.8312, 79.7445, 80.5413



85.0081, 94.9705, 101.7768



61.8776, 80.4915, 47.8739



17.9149, 20.1874, 21.5760



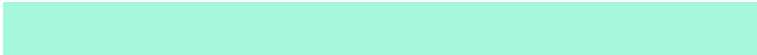
0.0000, 0.0000, 0.0000



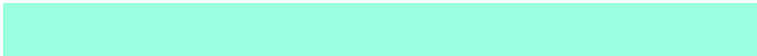
20.3446, 21.4041, 23.3091

Same Dimension

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



61.8312, 79.7445, 80.5413



62.1698, 83.6015, 82.4290



61.5415, 73.1845, 98.8818



16.7600, 18.6631, 20.0206



21.4292, 36.7165, 26.0779



1.9299, 3.2456, 2.5369

Inverse Universe

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



61.2197, 50.4482, 55.8044



61.4246, 47.5598, 52.0322



61.2052, 54.5998, 42.9117



16.7156, 16.5691, 18.2491



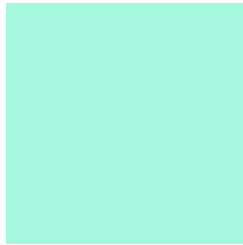
21.0763, 10.7740, 5.1102



1.8971, 0.9648, 0.6845

Previews

White Background



This preview shows how the XYZ color 61.8290, 79.7413, 80.5395 looks on a white background.

Color Contrast Check

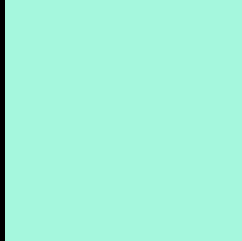
Large Text (above 18pt) WCAG AA × Fail

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 61.8290, 79.7413, 80.5395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

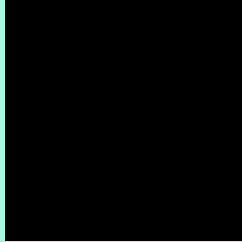
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

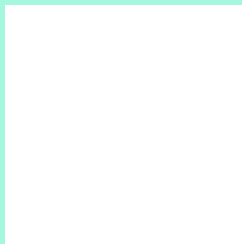
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.8290, 79.7413, 80.5395

Background



This preview shows how black text looks on a background with the XYZ color 61.8290, 79.7413, 80.5395.

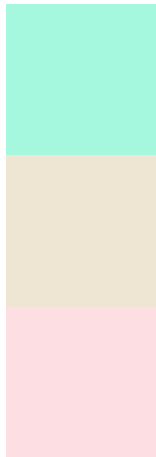


This preview shows how white text looks on a background with the XYZ color 61.8290, 79.7413,

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

61.8290, 79.7413, 80.5395

Protanopia

75.0371, 78.9189, 72.9060

Deuteranopia

80.3568, 78.6162, 82.8907



Tritanopia

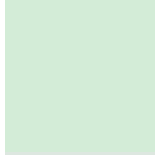
69.1662, 79.3921, 106.2865

Trichromacy



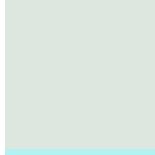
Original Color

61.8290, 79.7413, 80.5395



Protanomaly

69.1252, 78.7461, 75.8462



Deuteranomaly

71.8493, 77.9058, 81.7715



Tritanomaly

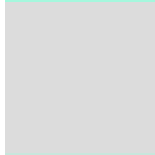
66.2899, 79.4403, 96.6337

Monochromacy



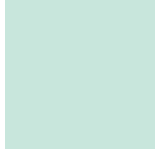
Original Color

61.8290, 79.7413, 80.5395



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.0345, 74.0403, 78.5737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8290, 79.7413, 80.5395 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, 247, 221)` looks like.

```
.text, #text, p{  
    color:rgb(165, 247, 221)  
}
```

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, 247, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 247, 221) }
```

Border

The CSS property to change the border of an element to XYZ 61.8290, 79.7413, 80.5395 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, 247, 221) }
```


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

```
.border{ border-color:rgb(165, 247, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 247, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 247, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 247, 221);  
box-shadow:4px 4px 4px 4px rgb(165, 247,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8290, 79.7413, 80.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 247, 221) }
```

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

```
.background{ background-color: rgb(165,  
247, 221) }
```

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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