

Converting Colors

XYZ(56.6180, 80.7343, 82.4020)

Have a look what the booklet for
XYZ(56.6180, 80.7343, 82.4020)
contains.

XYZ(56.6870, 80.7697, 82.4144)	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(56.6870, 80.7697,
82.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	77FFDF
RGB	119, 255, 223
RGB Percent	47%, 100%, 87%
CMY	0.5333, 0.0000, 0.1255
CMYK	0.53, 0.00, 0.13, 0.00
HSL	166°, 100%, 73%
HSV	166°, 53%, 100%
XYZ	56.6870, 80.7697, 82.4144
YIQ	210.6880, -70.7840, -38.7840

Conversions

Conversions Part 2

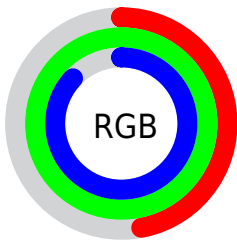
Format	Color
RYB	119, 196, 255
Decimal	7864287
CIELab	92.03, -44.77, 3.99
CIELCh	92, 44.946, 174.908
Yxy	80.7697, 0.2578, 0.3674
Android (android.graphics.Color)	4286054367 (0xFF77FFDF)
YUV	210.6880, 6.0698, -80.4104
Hunter-Lab	89.8720, -44.6865, 8.5403

Details

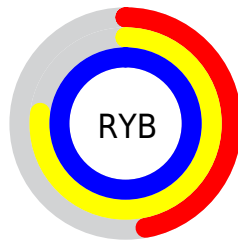
The XYZ color **56.6870, 80.7697, 82.4144** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.4234, 36.6891, 33.5451**, and the grayscale version is **61.7060, 64.9195, 70.6973**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **28.6272, 43.9191, 44.0142** is the 20% darker color. If you saturate the color by 10%, you get **52.8501, 78.8834, 78.0876**, and if you desaturate by 10%, it is **61.4930, 83.1520, 86.9389**.

Distribution



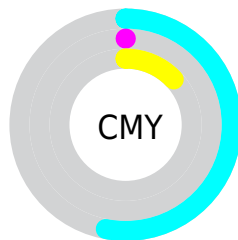
- Red (47%)
- Green (100%)
- Blue (87%)



- Red (47%)
- Yellow (77%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6870, 80.7697, 82.4144 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 56.6870, 80.7697, 82.4144 by changing the saturation by 10% instead.


 56.6870, 80.7697,
82.4144

 56.6870, 80.7697,
82.4144


402.3086,
497.5230, 522.9526


 40.9932, 60.3519,
61.1694


 99.1423, 134.4474,
138.5969

 28.5014, 43.7024,
43.9304


 126.6345,
168.4760, 174.3714

 18.8463, 30.4366,
30.2790


 158.7902,
207.8105, 215.8262

 11.6626, 20.1702,
19.7966

195.9748,
252.8351, 263.3797

 6.5850, 12.5188,
12.0647

238.5535,
303.9342, 317.4506

 3.2479, 7.0981,
6.6647

286.8918,

 1.2862, 3.5235,

361.4924, 378.4573

3.1780

341.3551,
425.8938, 446.8185

0.1728, 1.4108,
1.1862

0.0000, 0.2246,
0.0000

56.6870, 80.7697,
82.4144

56.6870, 80.7697,
82.4144

52.8501, 78.8834,
78.0876

61.4930, 83.1520,
86.9389

49.9023, 77.4524,
73.9492

67.3341, 86.0648,
91.6617

47.7553, 76.4308,
69.9948

74.2736, 89.5403,
96.5886

46.3003, 75.7629,
66.2178

82.3688, 93.6083,
101.7236

■ 45.6105, 75.4602,
63.7921

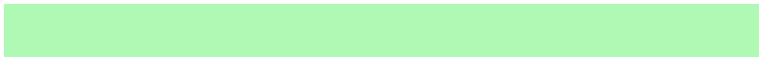
■ 91.6729, 98.2960,
107.0707

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.9782, 80.7697, 56.1863



56.6870, 80.7697, 82.4144



58.3201, 80.7697, 117.5766

Triad

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



56.6870, 80.7697, 82.4144



86.5178, 80.7697, 159.2495



90.2715, 80.7697, 45.4592

Complementary

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



56.6870, 80.7697, 82.4144



53.4234, 36.6891, 33.5451

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.



98.7486, 80.7697, 63.7629



56.6870, 80.7697, 82.4144



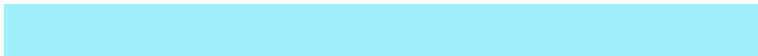
96.4335, 80.7697, 129.8578

Square

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



56.6870, 80.7697, 82.4144



74.8131, 80.7697, 167.8239



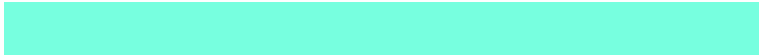
101.1092, 80.7697, 93.7166



78.7590, 80.7697, 38.5504

Rectangle

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



56.6870, 80.7697, 82.4144



62.0765, 80.7697, 140.9838



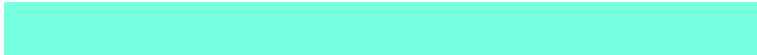
101.1092, 80.7697, 93.7166



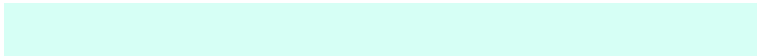
93.6145, 80.7697, 50.2197

Sweetspot

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



56.6879, 80.7701, 82.4158



80.0926, 92.4633, 100.3328



52.2275, 79.6246, 30.0705



16.7797, 19.6083, 21.2479



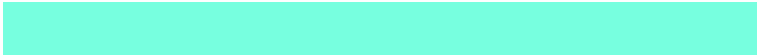
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.6879, 80.7701, 82.4158



52.6262, 78.7740, 77.8052



51.5150, 62.8557, 104.0250



18.3613, 20.4041, 22.2056



23.8933, 39.4539, 33.6528



2.3685, 3.8583, 3.4981

Inverse Universe

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



53.4234, 36.6891, 33.5451



49.0925, 30.4967, 24.4882



55.9618, 45.3755, 23.2629



18.1845, 18.0571, 19.5887



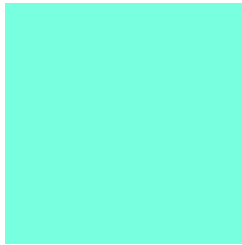
22.0224, 11.2983, 3.5026



2.1844, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 56.6870, 80.7697, 82.4144 looks on a white background.

Color Contrast Check

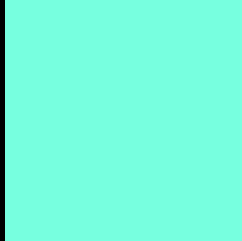
Large Text (above 18pt) WCAG AA × Fail

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 56.6870, 80.7697, 82.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

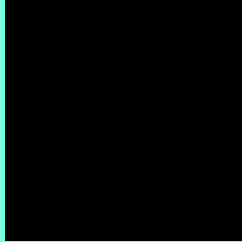
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6870, 80.7697, 82.4144

Background



This preview shows how black text looks on a background with the XYZ color 56.6870, 80.7697, 82.4144.



This preview shows how white text looks on a background with the XYZ color 56.6870, 80.7697,

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

56.6870, 80.7697, 82.4144

Protanopia

75.7406, 79.7223, 71.7176

Deuteranopia

81.1786, 79.3712, 85.9045



Tritanopia

68.1622, 80.1892, 106.4933

Trichromacy



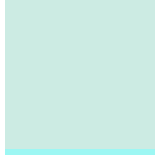
Original Color

56.6870, 80.7697, 82.4144



Protanomaly

65.7691, 78.3238, 75.2699



Deuteranomaly

68.4753, 77.8001, 84.0809



Tritanomaly

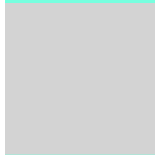
63.3431, 80.1607, 96.9280

Monochromacy



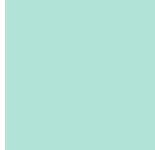
Original Color

56.6870, 80.7697, 82.4144



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.0949, 69.3094, 74.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6870, 80.7697, 82.4144 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(119, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 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(119, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 56.6870, 80.7697, 82.4144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

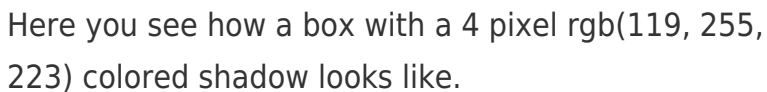
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 255, 223) }
```


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

```
.border{ border-color:rgb(119, 255, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 255, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 255, 223); box-shadow:4px 4px 4px 4px rgb(119, 255, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6870, 80.7697, 82.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 223) }
```

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

```
.background{ background-color: rgb(119,  
255, 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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