

Converting Colors

XYZ(56.7801, 80.9549, 76.2146)

Have a look what the booklet for
XYZ(56.7801, 80.9549, 76.2146)
contains.

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Color

**XYZ(56.7997, 80.9642,
76.2523)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFD6
RGB	128, 255, 214
RGB Percent	50%, 100%, 84%
CMY	0.4980, 0.0000, 0.1608
CMYK	0.50, 0.00, 0.16, 0.00
HSL	161°, 100%, 75%
HSV	161°, 50%, 100%
XYZ	56.7997, 80.9642, 76.2523
YIQ	212.3530, -62.5310, -39.6750

Conversions

Conversions Part 2

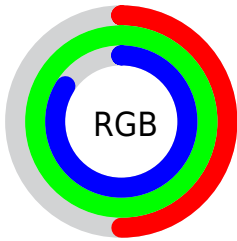
Format	Color
RYB	128, 204, 255
Decimal	8454102
CIELab	92.12, -44.86, 8.80
CIELCh	92, 45.719, 168.903
Yxy	80.9642, 0.2654, 0.3783
Android (android.graphics.Color)	4286644182 (0xFF80FFD6)
YUV	212.3530, 0.8120, -73.9776
Hunter-Lab	89.9801, -44.7875, 12.7417

Details

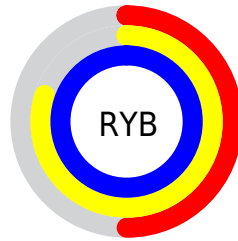
The XYZ color **56.7997, 80.9642, 76.2523** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1213, 39.5641, 42.2159**, and the grayscale version is **62.8389, 66.1115, 71.9954**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **28.6321, 44.0152, 39.7876** is the 20% darker color. If you saturate the color by 10%, you get **52.4094, 78.8194, 70.6974**, and if you desaturate by 10%, it is **62.2085, 83.6280, 82.1350**.

Distribution



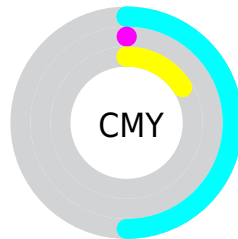
- Red (50%)
- Green (100%)
- Blue (84%)



- Red (50%)
- Yellow (80%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7997, 80.9642, 76.2523 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 56.7997, 80.9642, 76.2523 by changing the saturation by 10% instead.


 56.7997, 80.9642,
76.2523


 56.7997, 80.9642,
76.2523

402.7247,
498.1763, 501.5807


 41.0840, 60.5121,
56.1315


 99.3059, 134.7205,
129.8468

 28.5727, 43.8315,
39.9037


 126.8271,
168.7935, 164.1577

 18.9004, 30.5381,
27.1502

 159.0141,
208.1756, 204.0356

 11.7019, 20.2474,
17.4527

196.2324,
253.2512, 249.8992

 6.6118, 12.5750,
10.3924

238.8472,
304.4047, 302.1670

 3.2647, 7.1365,
5.5509

287.2240,

 1.2952, 3.5476,

362.0204, 361.2574

2.5096

341.7280,
426.4828, 427.5892

■ 0.1797, 1.4239,
0.8453

■ 0.0000, 0.2342,
0.0000

■ 56.7997, 80.9642,
76.2523

■ 56.7997, 80.9642,
76.2523

■ 52.4094, 78.8194,
70.6974

■ 62.2085, 83.6280,
82.1350

■ 48.9607, 77.1539,
65.4586

■ 68.6999, 86.8436,
88.3483

■ 46.3693, 75.9244,
60.5291

■ 76.3357, 90.6429,
94.9005

■ 44.5341, 75.0789,
55.9000

■ 85.1722, 95.0548,
101.7979

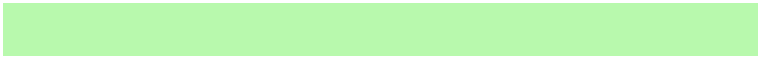
■ 43.2938, 74.5342, 95.0500, 100.0000,
51.5594 108.9000

■ 43.2717, 74.5247,
51.4763

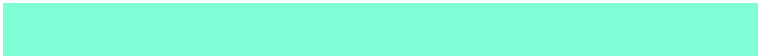
Harmonies

Analogous

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



61.1167, 80.9642, 52.0235



56.7997, 80.9642, 76.2523



57.4540, 80.9642, 110.8847

Triad

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



56.7997, 80.9642, 76.2523



84.5274, 80.9642, 164.8626



92.8225, 80.9642, 47.7525

Complementary

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



56.7997, 80.9642, 76.2523



56.1213, 39.5641, 42.2159

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.



100.4315, 80.9642, 68.7674



56.7997, 80.9642, 76.2523



95.3152, 80.9642, 138.0369

Square

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



56.7997, 80.9642, 76.2523



72.6768, 80.9642, 168.3565



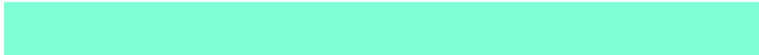
101.3877, 80.9642, 101.2388



81.3959, 80.9642, 38.5951

Rectangle

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



56.7997, 80.9642, 76.2523



60.6400, 80.9642, 135.4883



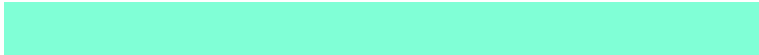
101.3877, 80.9642, 101.2388



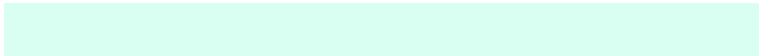
95.9593, 80.9642, 53.3730

Sweetspot

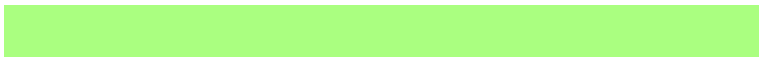
The Sweet Spot groups the original color and five complimentary colors.



56.8006, 80.9647, 76.2537



80.4261, 92.6835, 98.1694



56.3069, 81.6622, 33.2182



16.8228, 19.6426, 20.7030



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

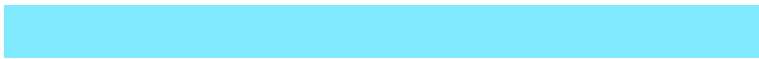
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8006, 80.9647, 76.2537



52.3324, 78.7819, 70.5908



56.3283, 70.5607, 105.2585



18.2907, 20.3758, 21.8341



22.6817, 38.9693, 27.2730



2.2585, 3.8143, 2.9191

Inverse Universe

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



56.1213, 39.5641, 42.2159



51.6093, 33.0099, 33.0972



55.9109, 44.3674, 26.0404



18.2511, 18.0837, 19.9392



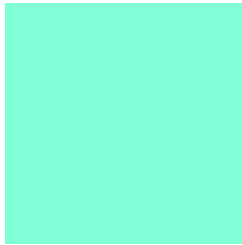
22.4112, 11.4538, 5.5499



2.2296, 1.1342, 0.7907

Previews

White Background



This preview shows how the XYZ color 56.7997, 80.9642, 76.2523 looks on a white background.

Color Contrast Check

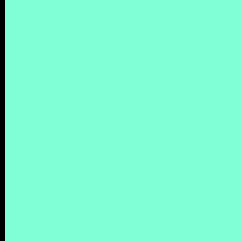
Large Text (above 18pt) WCAG AA × Fail

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 56.7997, 80.9642, 76.2523 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

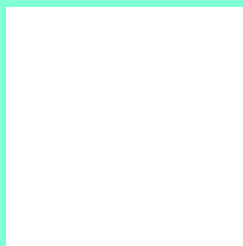
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7997, 80.9642, 76.2523

Background



This preview shows how black text looks on a background with the XYZ color 56.7997, 80.9642, 76.2523.



This preview shows how white text looks on a background with the XYZ color 56.7997, 80.9642,

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

56.7997, 80.9642, 76.2523

Protanopia

75.4574, 79.6879, 66.6626

Deuteranopia

81.0805, 79.8452, 80.2455



Tritanopia

68.8582, 80.5480, 106.5259

Trichromacy



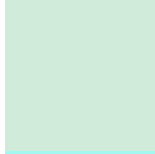
Original Color

56.7997, 80.9642, 76.2523



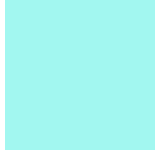
Protanomaly

66.0945, 78.6067, 70.0816



Deuteranomaly

68.7890, 78.0864, 78.4645



Tritanomaly

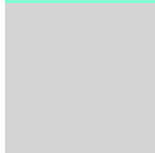
63.8892, 80.4942, 94.6077

Monochromacy



Original Color

56.7997, 80.9642, 76.2523



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.8097, 70.1147, 73.3847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7997, 80.9642, 76.2523 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(128, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 214)  
}
```

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(128, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 56.7997, 80.9642, 76.2523 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(128, 255, 214) }
```


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

```
.border{ border-color:rgb(128, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7997, 80.9642, 76.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 214) }
```

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

```
.background{ background-color: rgb(128,  
255, 214) }
```

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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