

Converting Colors

XYZ(56.4292, 80.7214, 78.5776)

Have a look what the booklet for
XYZ(56.4292, 80.7214, 78.5776)
contains.

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Color

**XYZ(56.3104, 80.6673,
78.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFFD9
RGB	122, 255, 217
RGB Percent	48%, 100%, 85%
CMY	0.5216, 0.0000, 0.1490
CMYK	0.52, 0.00, 0.15, 0.00
HSL	163°, 100%, 74%
HSV	163°, 52%, 100%
XYZ	56.3104, 80.6673, 78.2481
YIQ	210.9010, -67.0700, -40.0140

Conversions

Conversions Part 2

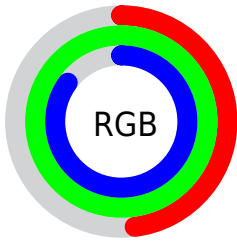
Format	Color
RYB	122, 200, 255
Decimal	8060889
CIELab	91.98, -45.51, 7.03
CIELCh	92, 46.047, 171.212
Yxy	80.6673, 0.2616, 0.3748
Android (android.graphics.Color)	4286250969 (0xFF7AFFD9)
YUV	210.9010, 3.0068, -77.9662
Hunter-Lab	89.8150, -45.2638, 11.2162

Details

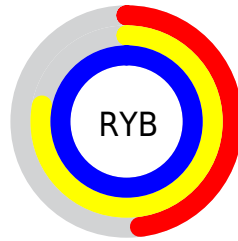
The XYZ color **56.3104, 80.6673, 78.2481** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.5454, 37.7182, 37.6642**, and the grayscale version is **61.8643, 65.0860, 70.8787**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **28.3466, 43.8376, 41.1499** is the 20% darker color. If you saturate the color by 10%, you get **52.2346, 78.6733, 73.2201**, and if you desaturate by 10%, it is **61.3768, 83.1672, 83.5436**.

Distribution



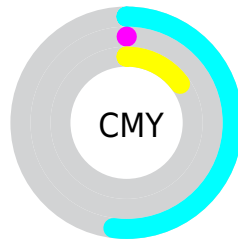
- Red (48%)
- Green (100%)
- Blue (85%)



- Red (48%)
- Yellow (78%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3104, 80.6673, 78.2481 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 56.3104, 80.6673, 78.2481 by changing the saturation by 10% instead.


 56.3104, 80.6673,
78.2481


 56.3104, 80.6673,
78.2481


400.9163,
497.1788, 508.5592

 40.6898, 60.2676,
57.7601


 98.5955, 134.3035,
132.6889

 28.2634, 43.6344,
41.2024


 125.9906,
168.3088, 167.4787

 18.6658, 30.3832,
28.1564


 158.0414,
207.6182, 207.8730

 11.5316, 20.1296,
18.2035

195.1131,
252.6159, 254.2902

 6.4955, 12.4893,
10.9253

237.5711,
303.6865, 307.1489

 3.1922, 7.0778,
5.9031

285.7807,

 1.2562, 3.5108,

361.2142, 366.8676

2.7184

340.1073,
425.5835, 433.8649

■ 0.1500, 1.4039,
0.9527

■ 0.0000, 0.2196,
0.0000

■ 56.3104, 80.6673,
78.2481

■ 56.3104, 80.6673,
78.2481

■ 52.2346, 78.6733,
73.2201

■ 61.3768, 83.1672,
83.5436

■ 49.0706, 77.1445,
68.4490

■ 67.4994, 86.2067,
89.1083

■ 46.7313, 76.0361,
63.9294

■ 74.7409, 89.8180,
94.9493

■ 45.1106, 75.2936,
59.6532

■ 83.1585, 94.0306,
101.0717

■ 44.2184, 74.9034,
56.4615

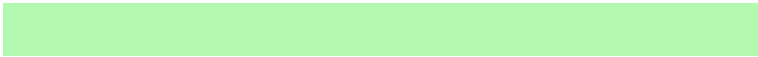
■ 92.8051, 98.8718,
107.4807

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.



60.2671, 80.6673, 53.0064



56.3104, 80.6673, 78.2481



57.3544, 80.6673, 113.5863

Triad

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



56.3104, 80.6673, 78.2481



85.2036, 80.6673, 163.6726



91.8285, 80.6673, 46.1983

Complementary

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



56.3104, 80.6673, 78.2481



54.5454, 37.7182, 37.6642

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.



99.9023, 80.6673, 66.3000



56.3104, 80.6673, 78.2481



95.8122, 80.6673, 135.3100

Square

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



56.3104, 80.6673, 78.2481



73.2477, 80.6673, 169.2631



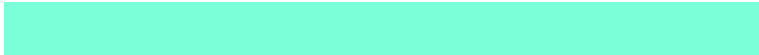
101.4307, 80.6673, 98.1703



80.2011, 80.6673, 37.8872

Rectangle

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



56.3104, 80.6673, 78.2481



60.7958, 80.6673, 138.1473



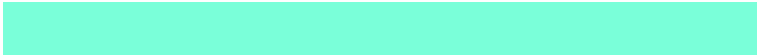
101.4307, 80.6673, 98.1703



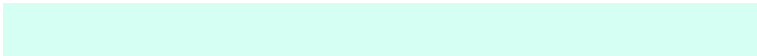
95.0959, 80.6673, 51.5121

Sweetspot

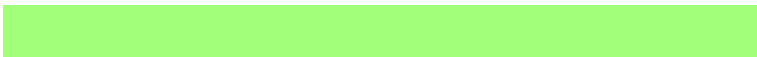
The Sweet Spot groups the original color and five complimentary colors.



56.3113, 80.6677, 78.2495



79.7795, 92.3381, 98.6841



54.1537, 80.5965, 31.1162



16.7046, 19.5782, 20.8526



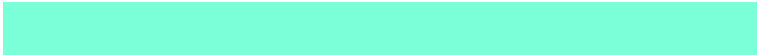
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.3113, 80.6677, 78.2495



51.9332, 78.5267, 72.8072



53.9304, 67.0655, 104.7102



18.3206, 20.3878, 21.9911



23.1727, 39.1657, 29.8583



2.3034, 3.8323, 3.1554

Inverse Universe

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



54.5454, 37.7182, 37.6642



50.0259, 31.2286, 28.2984



55.4379, 44.0348, 23.9914



18.2227, 18.0724, 19.7901



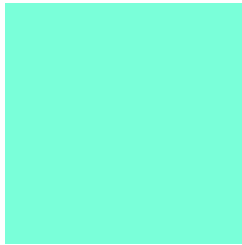
22.2298, 11.3812, 4.5947



2.2091, 1.1260, 0.6824

Previews

White Background



This preview shows how the XYZ color 56.3104, 80.6673, 78.2481 looks on a white background.

Color Contrast Check

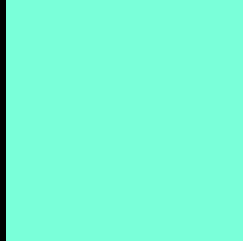
Large Text (above 18pt) WCAG AA × Fail

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 56.3104, 80.6673, 78.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

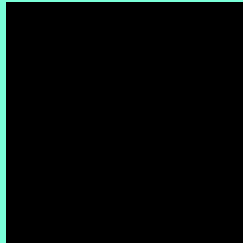
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

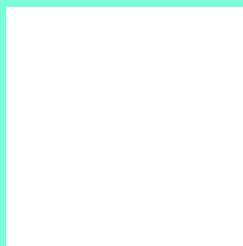
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3104, 80.6673, 78.2481

Background



This preview shows how black text looks on a background with the XYZ color 56.3104, 80.6673, 78.2481.

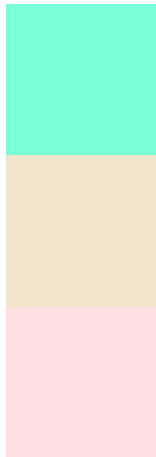


This preview shows how white text looks on a background with the XYZ color 56.3104, 80.6673,

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

56.3104, 80.6673, 78.2481

Protanopia

75.4715, 79.6540, 68.5237

Deuteranopia

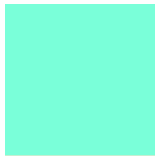
81.0822, 79.4172, 81.5766



Tritanopia

68.1622, 80.1892, 106.4933

Trichromacy



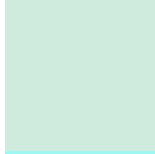
Original Color

56.3104, 80.6673, 78.2481



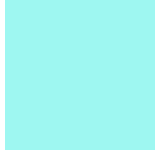
Protanomaly

65.6638, 78.3422, 71.9823



Deuteranomaly

68.4916, 77.9025, 79.8334



Tritanomaly

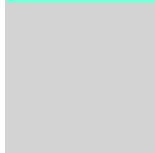
63.2385, 80.1415, 95.3549

Monochromacy



Original Color

56.3104, 80.6673, 78.2481



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.0697, 69.3260, 73.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3104, 80.6673, 78.2481 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(122, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 217)  
}
```

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(122, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 56.3104, 80.6673, 78.2481 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(122, 255, 217) }
```


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

```
.border{ border-color:rgb(122, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3104, 80.6673, 78.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 217) }
```

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

```
.background{ background-color: rgb(122,  
255, 217) }
```

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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