

Converting Colors

XYZ(56.0086, 80.3943, 83.5344)

Have a look what the booklet for
XYZ(56.0086, 80.3943, 83.5344)
contains.

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Color

**XYZ(56.0327, 80.4010,
83.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	70FFE1
RGB	112, 255, 225
RGB Percent	44%, 100%, 88%
CMY	0.5608, 0.0000, 0.1176
CMYK	0.56, 0.00, 0.12, 0.00
HSL	167°, 100%, 72%
HSV	167°, 56%, 100%
XYZ	56.0327, 80.4010, 83.7999
YIQ	208.8230, -75.5980, -39.6460

Conversions

Conversions Part 2

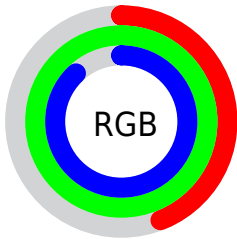
Format	Color
RYB	112, 192, 255
Decimal	7405537
CIELab	91.86, -45.69, 2.69
CIELCh	92, 45.764, 176.631
Yxy	80.4010, 0.2544, 0.3651
Android (android.graphics.Color)	4285595617 (0xFF70FFE1)
YUV	208.8230, 7.9753, -84.9138
Hunter-Lab	89.6666, -45.3718, 7.3558

Details

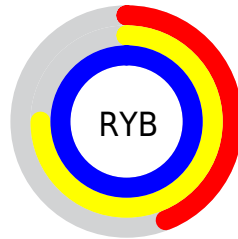
The XYZ color **56.0327, 80.4010, 83.7999** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.9175, 34.8026, 29.5736**, and the grayscale version is **60.4744, 63.6238, 69.2863**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **28.2127, 43.6838, 44.9751** is the 20% darker color. If you saturate the color by 10%, you get **52.5167, 78.6714, 79.8863**, and if you desaturate by 10%, it is **60.4919, 82.6141, 87.8798**.

Distribution



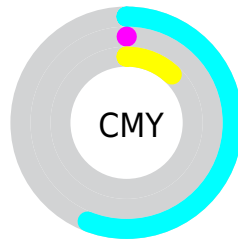
- Red (44%)
- Green (100%)
- Blue (88%)



- Red (44%)
- Yellow (75%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0327, 80.4010, 83.7999 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 56.0327, 80.4010, 83.7999 by changing the saturation by 10% instead.


 56.0327, 80.4010,
83.7999


 56.0327, 80.4010,
83.7999


399.8877,
496.2832, 527.6892


 40.4662, 60.0484,
62.3058


 98.1919, 133.9294,
140.5545

 28.0881, 43.4576,
44.8425


 125.5154,
167.8739, 176.6520

 18.5329, 30.2444,
30.9913


 157.4886,
207.1179, 218.4545

 11.4352, 20.0241,
20.3338

194.4769,
252.0457, 266.3804

 6.4298, 12.4126,
12.4515

236.8455,
303.0418, 320.8482

 3.1513, 7.0253,
6.9257

284.9600,

 1.2343, 3.4779,

360.4904, 382.2767

3.3379

339.1856,
424.7761, 451.0841

0.1332, 1.3861,
1.2697

0.0000, 0.2064,
0.0367

56.0327, 80.4010,
83.7999

56.0327, 80.4010,
83.7999

52.5167, 78.6714,
79.8863

60.4919, 82.6141,
87.8798

49.8611, 77.3828,
76.1298

65.9622, 85.3458,
92.1261

47.9733, 76.4874,
72.5265

72.5084, 88.6295,
96.5442

46.7369, 75.9252,
69.0698

80.1891, 92.4953,
101.1379

■ 46.3621, 75.7609,
67.7501

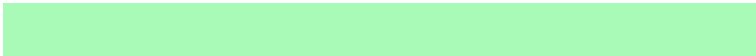
■ 89.0584, 96.9712,
105.9108

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.



59.0795, 80.4010, 56.5903



56.0327, 80.4010, 83.7999



57.9695, 80.4010, 119.8249

Triad

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



56.0327, 80.4010, 83.7999



86.9867, 80.4010, 158.9542



89.5148, 80.4010, 43.9019

Complementary

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



56.0327, 80.4010, 83.7999



51.9175, 34.8026, 29.5736

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.



98.4178, 80.4010, 61.6519



56.0327, 80.4010, 83.7999



96.8564, 80.4010, 128.1183

Square

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



56.0327, 80.4010, 83.7999



75.1003, 80.4010, 169.2052



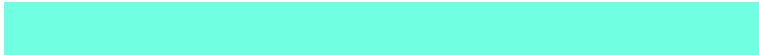
101.2319, 80.4010, 91.3960



77.7525, 80.4010, 37.5780

Rectangle

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



56.0327, 80.4010, 83.7999



61.9466, 80.4010, 143.4293



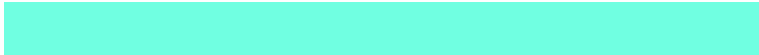
101.2319, 80.4010, 91.3960



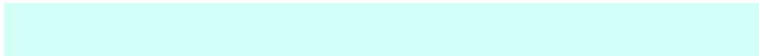
92.9857, 80.4010, 48.4653

Sweetspot

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



56.0336, 80.4014, 83.8013



79.4307, 92.1131, 100.7062



50.0104, 78.5285, 27.8524



16.6558, 19.5419, 21.3554



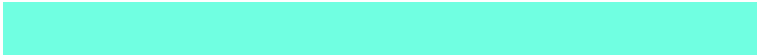
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.0336, 80.4014, 83.8013



52.2367, 78.5346, 79.5328



48.9022, 59.0040, 103.4192



18.3820, 20.4123, 22.3147



24.2818, 39.6093, 35.6986



2.4032, 3.8722, 3.6811

Inverse Universe

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



51.9175, 34.8026, 29.5736



47.8116, 28.9798, 20.8403



55.4778, 45.0557, 21.1034



18.1652, 18.0494, 19.4873



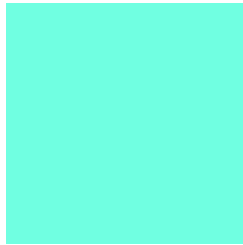
21.9339, 11.2628, 3.0362



2.1732, 1.1117, 0.4936

Previews

White Background



This preview shows how the XYZ color 56.0327, 80.4010, 83.7999 looks on a white background.

Color Contrast Check

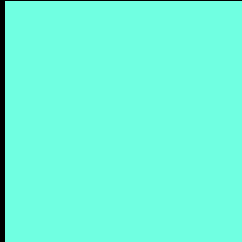
Large Text (above 18pt) WCAG AA × Fail

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 56.0327, 80.4010, 83.7999 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 56.0327, 80.4010, 83.7999

Background



This preview shows how black text looks on a background with the XYZ color 56.0327, 80.4010, 83.7999.

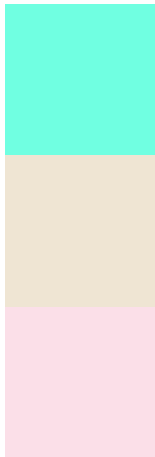


This preview shows how white text looks on a background with the XYZ color 56.0327, 80.4010,

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

56.0327, 80.4010, 83.7999

Protanopia

75.3738, 79.0925, 72.9218

Deuteranopia

80.7368, 79.1108, 87.3585



Tritanopia

67.4813, 79.8382, 106.4614

Trichromacy



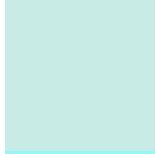
Original Color

56.0327, 80.4010, 83.7999



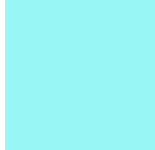
Protanomaly

64.9615, 77.4444, 76.4902



Deuteranomaly

67.6706, 77.3532, 85.4928



Tritanomaly

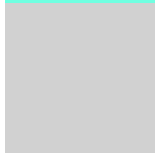
62.5388, 79.7286, 97.6810

Monochromacy



Original Color

56.0327, 80.4010, 83.7999



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.9177, 68.2977, 74.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0327, 80.4010, 83.7999 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(112, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 225)  
}
```

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(112, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 56.0327, 80.4010, 83.7999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

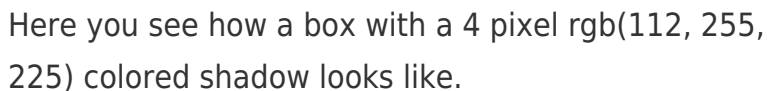
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 255, 225) }
```


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

```
.border{ border-color:rgb(112, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 255, 225); box-shadow:4px 4px 4px 4px rgb(112, 255, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0327, 80.4010, 83.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 225) }
```

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

```
.background{ background-color: rgb(112,  
255, 225) }
```

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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