

Converting Colors

XYZ(55.6573, 80.2075, 83.7823)

Have a look what the booklet for
XYZ(55.6573, 80.2075, 83.7823)
contains.

XYZ(55.6573, 80.2075, 83.7823)	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(55.6573, 80.2075,
83.7823)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFFE1
RGB	109, 255, 225
RGB Percent	43%, 100%, 88%
CMY	0.5725, 0.0000, 0.1176
CMYK	0.57, 0.00, 0.12, 0.00
HSL	168°, 100%, 71%
HSV	168°, 57%, 100%
XYZ	55.6573, 80.2075, 83.7823
YIQ	207.9260, -77.3860, -40.2820

Conversions

Conversions Part 2

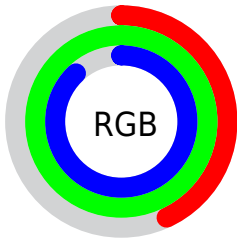
Format	Color
RYB	109, 190, 255
Decimal	7208929
CIELab	91.78, -46.25, 2.55
CIELCh	92, 46.321, 176.841
Yxy	80.2075, 0.2534, 0.3652
Android (android.graphics.Color)	4285399009 (0xFF6DFFE1)
YUV	207.9260, 8.4175, -86.7581
Hunter-Lab	89.5586, -45.7966, 7.2251

Details

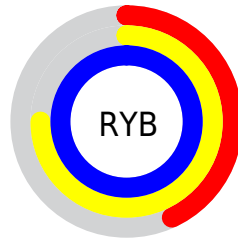
The XYZ color **55.6573, 80.2075, 83.7823** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.3697, 34.0626, 28.2947**, and the grayscale version is **59.8899, 63.0088, 68.6166**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **27.9852, 43.5665, 44.9644** is the 20% darker color. If you saturate the color by 10%, you get **52.2588, 78.5368, 79.9500**, and if you desaturate by 10%, it is **59.9891, 82.3567, 87.7755**.

Distribution



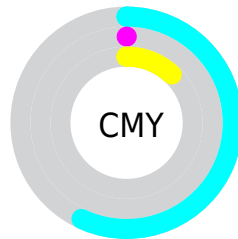
- Red (43%)
- Green (100%)
- Blue (88%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6573, 80.2075, 83.7823 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 55.6573, 80.2075, 83.7823 by changing the saturation by 10% instead.


 55.6573, 80.2075,
83.7823


 55.6573, 80.2075,
83.7823


398.4947,
495.6318, 527.6292


 40.1641, 59.8891,
62.2914


 97.6461, 133.6574,
140.5296

 27.8513, 43.3293,
44.8309


 124.8724,
167.5578, 176.6231

 18.3535, 30.1435,
30.9822


 156.7404,
206.7542, 218.4211

 11.3053, 19.9476,
20.3270

193.6156,
251.6312, 266.3423

 6.3414, 12.3569,
12.4465

235.8633,
302.5730, 320.8052

 3.0964, 6.9873,
6.9223

283.8488,

 1.2049, 3.4541,

359.9641, 382.2282

3.3359

337.9375,
424.1889, 451.0301

■ 0.1103, 1.3732,
1.2686

■ 0.0000, 0.1968,
0.0358

■ 55.6573, 80.2075,
83.7823

■ 55.6573, 80.2075,
83.7823

■ 52.2588, 78.5368,
79.9500

■ 59.9891, 82.3567,
87.7755

■ 49.7097, 77.3015,
76.2696

■ 65.3233, 85.0201,
91.9298

■ 47.9152, 76.4527,
72.7370

■ 71.7252, 88.2315,
96.2506

■ 46.7520, 75.9269,
69.3454

■ 79.2540, 92.0211,
100.7415

■ 46.4924, 75.8129,
68.4359

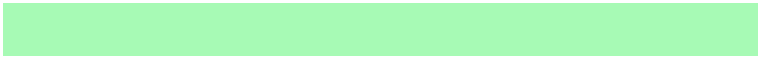
■ 87.9642, 96.4171,
105.4062

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.



58.6937, 80.2075, 56.2598



55.6573, 80.2075, 83.7823



57.6443, 80.2075, 120.2631

Triad

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



55.6573, 80.2075, 83.7823



87.0015, 80.2075, 159.5262



89.4004, 80.2075, 43.2747

Complementary

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



55.6573, 80.2075, 83.7823



51.3697, 34.0626, 28.2947

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.



98.4457, 80.2075, 61.0391



55.6573, 80.2075, 83.7823



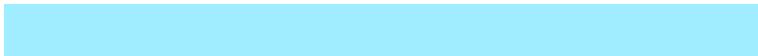
96.9629, 80.2075, 128.1457

Square

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



55.6573, 80.2075, 83.7823



74.9850, 80.2075, 170.1179



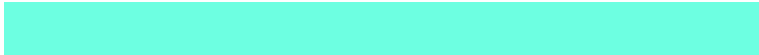
101.3460, 80.2075, 90.9813



77.4985, 80.2075, 37.0068

Rectangle

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



55.6573, 80.2075, 83.7823



61.6761, 80.2075, 144.1592



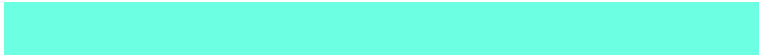
101.3460, 80.2075, 90.9813



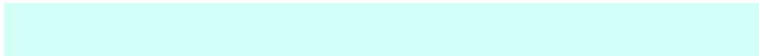
92.9213, 80.2075, 47.8302

Sweetspot

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



55.6582, 80.2079, 83.7837



79.4594, 92.1246, 100.8573



49.4436, 78.2552, 26.9683



16.6626, 19.5446, 21.3913



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.



55.6582, 80.2079, 83.7837



51.7546, 78.2908, 79.2961



48.3116, 58.3801, 103.3299



18.3855, 20.4137, 22.3332



24.3490, 39.6362, 36.0529



2.4092, 3.8746, 3.7127

Inverse Universe

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



51.3697, 34.0626, 28.2947



47.1458, 28.1017, 19.2203



54.9662, 44.2954, 20.1223



18.1620, 18.0481, 19.4702



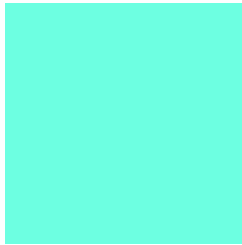
21.9199, 11.2573, 2.9629



2.1714, 1.1109, 0.4841

Previews

White Background



This preview shows how the XYZ color 55.6573, 80.2075, 83.7823 looks on a white background.

Color Contrast Check

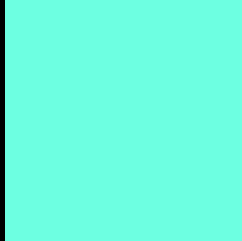
Large Text (above 18pt) WCAG AA × Fail

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 55.6573, 80.2075, 83.7823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

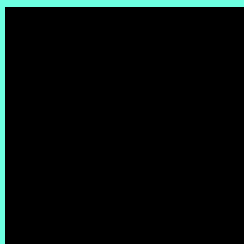
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

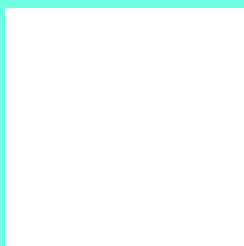
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6573, 80.2075, 83.7823

Background



This preview shows how black text looks on a background with the XYZ color 55.6573, 80.2075, 83.7823.



This preview shows how white text looks on a background with the XYZ color 55.6573, 80.2075,

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

55.6573, 80.2075, 83.7823

Protanopia

75.0371, 78.9189, 72.9060

Deuteranopia

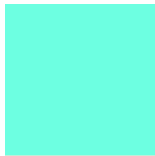
80.4704, 78.5780, 87.2697



Tritanopia

67.0357, 79.6085, 106.4406

Trichromacy



Original Color

55.6573, 80.2075, 83.7823



Protanomaly

64.4551, 77.1833, 76.4665



Deuteranomaly

67.1189, 76.6449, 85.3851



Tritanomaly

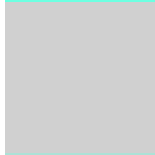
62.1676, 79.5372, 97.6636

Monochromacy



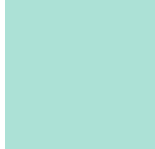
Original Color

55.6573, 80.2075, 83.7823



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.0761, 67.4761, 73.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6573, 80.2075, 83.7823 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(109, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.6573, 80.2075, 83.7823 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(109, 255, 225) }
```


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

```
.border{ border-color:rgb(109, 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(109, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6573, 80.2075, 83.7823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 225) }
```

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

```
.background{ background-color: rgb(109,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor