

Converting Colors

XYZ(59.7114, 88.2302, 87.9820)

Have a look what the booklet for
XYZ(59.7114, 88.2302, 87.9820)
contains.

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Color

**XYZ(55.7286, 80.1804,
86.6679)**

Conversions

Conversions Part 1

Format	Color
Hex	69FFE5
RGB	105, 255, 229
RGB Percent	41%, 100%, 90%
CMY	0.5882, 0.0000, 0.1020
CMYK	0.59, 0.00, 0.10, 0.00
HSL	170°, 100%, 71%
HSV	170°, 59%, 100%
XYZ	55.7286, 80.1804, 86.6679
YIQ	207.1860, -81.0540, -39.8860

Conversions

Conversions Part 2

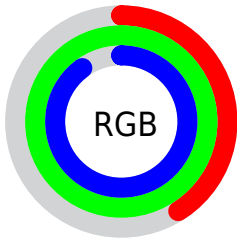
Format	Color
RYB	105, 187, 255
Decimal	6946789
CIELab	91.77, -46.02, 0.45
CIELCh	92, 46.022, 179.438
Yxy	80.1804, 0.2504, 0.3602
Android (android.graphics.Color)	4285136869 (0xFF69FFE5)
YUV	207.1860, 10.7543, -89.6171
Hunter-Lab	89.5435, -45.6093, 5.2945

Details

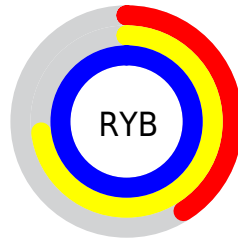
The XYZ color **55.7286, 80.1804, 86.6679** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.3893, 33.0033, 25.1888**, and the grayscale version is **59.3990, 62.4924, 68.0542**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **28.0478, 43.5543, 46.9730** is the 20% darker color. If you saturate the color by 10%, you get **52.5604, 78.6175, 83.3401**, and if you desaturate by 10%, it is **59.8121, 82.2133, 90.1234**.

Distribution



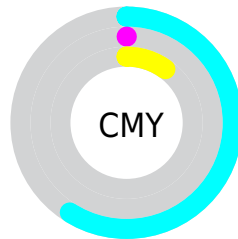
- Red (41%)
- Green (100%)
- Blue (90%)



- Red (41%)
- Yellow (73%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7286, 80.1804, 86.6679 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 55.7286, 80.1804, 86.6679 by changing the saturation by 10% instead.


 55.7286, 80.1804,
86.6679


 55.7286, 80.1804,
86.6679

398.7595,
495.5406, 537.4188


 40.2215, 59.8668,
64.6624


 97.7498, 133.6193,
144.5959

 27.8963, 43.3113,
46.7377


 124.9946,
167.5135, 181.3555

 18.3875, 30.1294,
32.4755


 156.8826,
206.7033, 223.8702

 11.3299, 19.9369,
21.4571

193.7793,
251.5731, 272.5585

 6.3581, 12.3492,
13.2641

236.0500,
302.5073, 327.8390

 3.1068, 6.9819,
7.4778

284.0600,

 1.2105, 3.4508,

359.8904, 390.1301

3.6797

338.1748,
424.1067, 459.8506

■ 0.1146, 1.3714,
1.4513

■ 0.0000, 0.1955,
0.1813

■ 55.7286, 80.1804,
86.6679

■ 55.7286, 80.1804,
86.6679

■ 52.5604, 78.6175,
83.3401

■ 59.8121, 82.2133,
90.1234

■ 50.2214, 77.4804,
80.1311

■ 64.8809, 84.7523,
93.7062

■ 48.6142, 76.7186,
77.0371

■ 71.0014, 87.8316,
97.4215

■ 47.5960, 76.2587,
74.0510

■ 78.2333, 91.4821,
101.2726

■ 47.4930, 76.2132,
73.7050

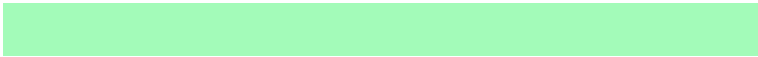
■ 86.6319, 95.7321,
105.2626

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.



58.3211, 80.1804, 58.2971



55.7286, 80.1804, 86.6679



58.1353, 80.1804, 123.2249

Triad

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



55.7286, 80.1804, 86.6679



87.8927, 80.1804, 156.8623



88.3167, 80.1804, 42.5097

Complementary

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



55.7286, 80.1804, 86.6679



50.3893, 33.0033, 25.1888

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.



97.6870, 80.1804, 59.1434



55.7286, 80.1804, 86.6679



97.4250, 80.1804, 124.6172

Square

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



55.7286, 80.1804, 86.6679



75.9870, 80.1804, 169.5648



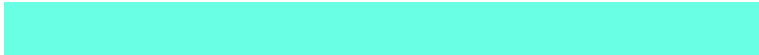
101.1775, 80.1804, 87.9408



76.4315, 80.1804, 37.1740

Rectangle

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



55.7286, 80.1804, 86.6679



62.4080, 80.1804, 146.4415



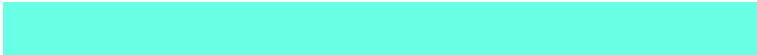
101.1775, 80.1804, 87.9408



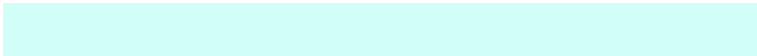
91.9080, 80.1804, 46.7114

Sweetspot

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



55.7296, 80.1809, 86.6693



78.8781, 91.8080, 101.5949



47.9051, 77.4864, 25.7979



16.4015, 19.4073, 21.5019



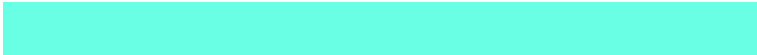
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.7296, 80.1809, 86.6693



51.9831, 78.3350, 82.6307



46.3111, 55.0930, 102.8009



18.4117, 20.4242, 22.4712



24.8656, 39.8428, 38.7732



2.4551, 3.8929, 3.9542

Inverse Universe

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



50.3893, 33.0033, 25.1888



46.2523, 27.1776, 16.2620



55.1004, 44.9006, 19.1289



18.1378, 18.0385, 19.3431



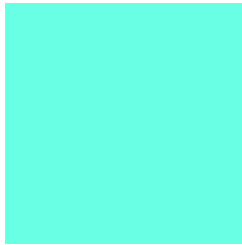
21.8254, 11.2195, 2.4651



2.1588, 1.1059, 0.4178

Previews

White Background



This preview shows how the XYZ color 55.7286, 80.1804, 86.6679 looks on a white background.

Color Contrast Check

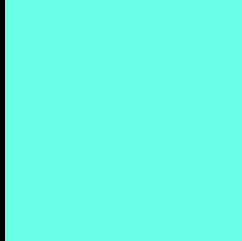
Large Text (above 18pt) WCAG AA × Fail

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 55.7286, 80.1804, 86.6679 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 55.7286, 80.1804, 86.6679

Background



This preview shows how black text looks on a background with the XYZ color 55.7286, 80.1804, 86.6679.

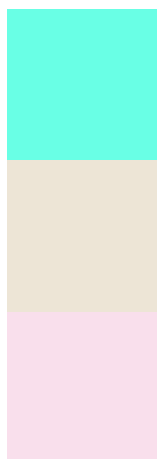


This preview shows how white text looks on a background with the XYZ color 55.7286, 80.1804,

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

55.7286, 80.1804, 86.6679

Protanopia

75.0820, 78.8982, 74.8900

Deuteranopia

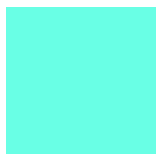
80.5949, 78.9712, 90.3520



Tritanopia

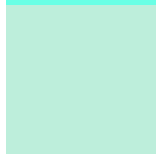
66.8154, 79.4949, 106.4303

Trichromacy



Original Color

55.7286, 80.1804, 86.6679



Protanomaly

64.3470, 77.0824, 78.5048



Deuteranomaly

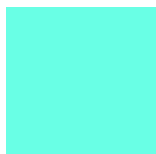
67.4423, 77.1702, 88.4315



Tritanomaly

62.1081, 79.4712, 99.2548

Monochromacy



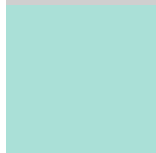
Original Color

55.7286, 80.1804, 86.6679



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.4990, 66.7637, 74.2515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7286, 80.1804, 86.6679 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(105, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 229)  
}
```

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(105, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 55.7286, 80.1804, 86.6679 is called "border". The border property can be set on classes, ids or directly on the HTML element.

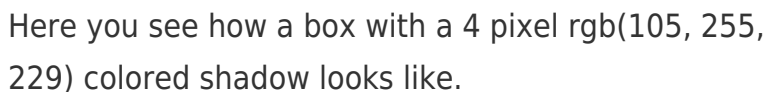
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 255, 229) }
```


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

```
.border{ border-color:rgb(105, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7286, 80.1804, 86.6679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 229) }
```

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

```
.background{ background-color: rgb(105,  
255, 229) }
```

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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