

Converting Colors

XYZ(55.1887, 66.8913, 87.5895)

Have a look what the booklet for
XYZ(55.1887, 66.8913, 87.5895)
contains.

XYZ(55.1029, 66.6610, 87.8045)	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(55.1029, 66.6610,
87.8045)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE1EA
RGB	154, 225, 234
RGB Percent	60%, 88%, 92%
CMY	0.3961, 0.1176, 0.0823
CMYK	0.34, 0.04, 0.00, 0.08
HSL	187°, 66%, 76%
HSV	187°, 34%, 92%
XYZ	55.1029, 66.6610, 87.8045
YIQ	204.7970, -45.2050, -12.2530

Conversions

Conversions Part 2

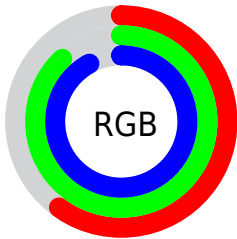
Format	Color
RYB	154, 192, 234
Decimal	10150378
CIELab	85.33, -19.86, -11.45
CIELCh	85, 22.924, 209.956
Yxy	66.6610, 0.2629, 0.3181
Android (android.graphics.Color)	4288340458 (0xFF9AE1EA)
YUV	204.7970, 14.3971, -44.5490
Hunter-Lab	81.6462, -22.4114, -6.6097

Details

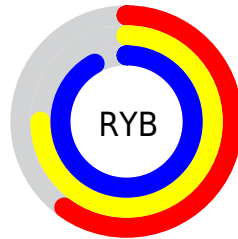
The XYZ color **55.1029, 66.6610, 87.8045** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8625, 46.0205, 36.6700**, and the grayscale version is **57.8330, 60.8448, 66.2600**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **27.5562, 34.6165, 47.3488** is the 20% darker color. If you saturate the color by 10%, you get **50.3705, 63.1749, 87.3822**, and if you desaturate by 10%, it is **60.7184, 70.6219, 88.2742**.

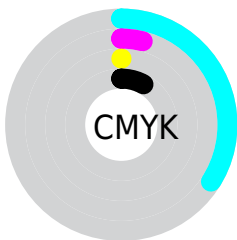
Distribution



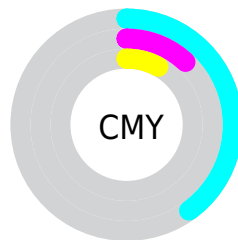
- Red (60%)
- Green (88%)
- Blue (92%)



- Red (60%)
- Yellow (75%)
- Blue (92%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)





- Cyan (40%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1029, 66.6610, 87.8045 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 55.1029, 66.6610, 87.8045 by changing the saturation by 10% instead.


 55.1029, 66.6610,
87.8045


 55.1029, 66.6610,
87.8045


396.4319,
448.7371, 541.2475

 39.7183, 48.8092,
65.5978


 96.8391, 114.4345,
146.1937

 27.5022, 34.4681,
47.4915


 123.9215,
145.1250, 183.2132

 18.0893, 23.2535,
33.0673


155.6338,
180.8639, 226.0074

 11.1142, 14.7808,
21.9064

192.3414,
222.0355, 274.9949

 6.2115, 8.6657,
13.5905

234.4096,
269.0242, 330.5940

 3.0160, 4.5238,
7.7009

282.2039,

 1.1622, 1.9707,

322.2144, 393.2235

3.8192

336.0896,
381.9906, 463.3018

■ 0.0762, 0.5903,
1.5267

■ 0.0000, 0.0000,
0.2377

■ 55.1029, 66.6610,
87.8045

■ 55.1029, 66.6610,
87.8045

■ 50.3705, 63.1749,
87.3822

■ 60.7184, 70.6219,
88.2742

■ 46.4645, 60.1293,
87.0002

■ 67.2575, 75.0737,
88.7888

■ 43.3309, 57.4982,
86.6575

■ 74.7656, 80.0414,
89.3520

■ 40.9069, 55.2488,
86.3511

■ 83.2833, 85.5461,
89.9656

■ 39.1194, 53.3436,
86.0775

■ 86.7135, 88.4447,
90.3442

■ 37.8794, 51.7366,
85.8327

■ 87.4861, 89.9898,
90.6018

■ 37.3303, 50.8982,
85.6998

■ 88.2699, 91.5575,
90.8630

■ 89.0650, 93.1477,
91.1281

■ 89.8715, 94.7606,
91.3969

Harmonies

Analogous

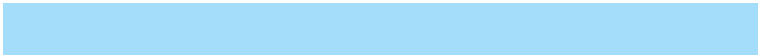
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8975, 66.6610, 72.5608



55.1029, 66.6610, 87.8045



58.4947, 66.6610, 100.2306

Triad

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



55.1029, 66.6610, 87.8045



72.3935, 66.6610, 87.8472



63.3669, 66.6610, 47.5962

Complementary

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



55.1029, 66.6610, 87.8045



52.8625, 46.0205, 36.6700

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.



68.4864, 66.6610, 50.5528



55.1029, 66.6610, 87.8045



73.8683, 66.6610, 72.6042

Square

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



55.1029, 66.6610, 87.8045



68.4725, 66.6610, 100.2575



72.4018, 66.6610, 59.2300



58.5071, 66.6610, 50.5357

Rectangle

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



55.1029, 66.6610, 87.8045



61.6353, 66.6610, 104.5073



72.4018, 66.6610, 59.2300



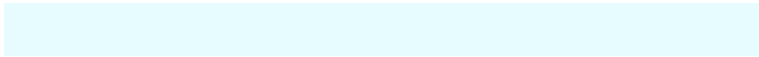
65.1151, 66.6610, 47.9274

Sweetspot

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



55.1049, 66.6636, 87.8060



85.3748, 93.6642, 108.1870



49.2722, 68.3256, 44.7751



18.0037, 19.8686, 23.1361



0.0000, 0.0000, 0.0000



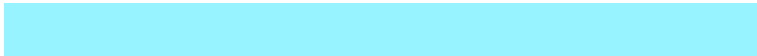
20.3446, 21.4041, 23.3091

Same Dimension

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



55.1049, 66.6636, 87.8060



62.8335, 77.9926, 106.3501



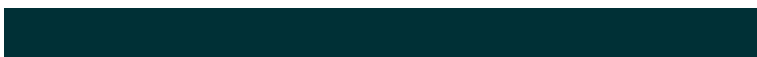
45.7380, 47.9298, 84.6837



15.3646, 16.8157, 19.3582



21.0360, 28.7189, 48.1776



1.6931, 2.3376, 3.7968

Inverse Universe

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



59.0795, 46.0414, 77.0102



68.4324, 49.7023, 90.9720



60.8862, 62.0680, 39.3446



15.6376, 15.2829, 18.6428



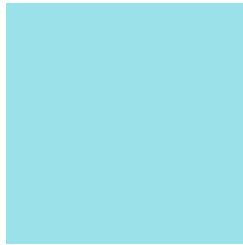
25.4733, 12.3920, 34.6232



2.0211, 0.9814, 2.8283

Previews

White Background



This preview shows how the XYZ color 55.1029, 66.6610, 87.8045 looks on a white background.

Color Contrast Check

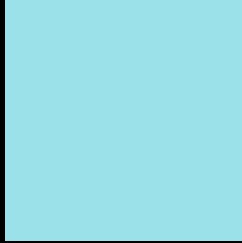
Large Text (above 18pt) WCAG AA × Fail

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 55.1029, 66.6610, 87.8045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

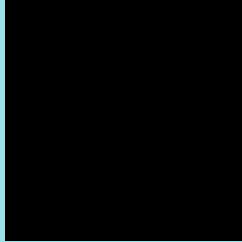
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1029, 66.6610, 87.8045

Background



This preview shows how black text looks on a background with the XYZ color 55.1029, 66.6610, 87.8045.

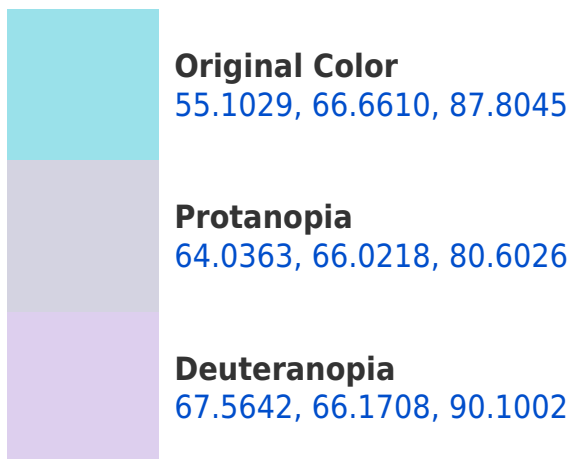


This preview shows how white text looks on a background with the XYZ color 55.1029, 66.6610,

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





Tritanopia

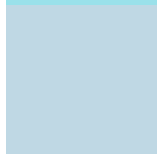
56.3930, 66.7900, 93.9239

Trichromacy



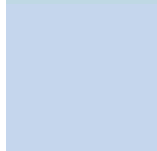
Original Color

55.1029, 66.6610, 87.8045



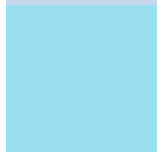
Protanomaly

60.0453, 65.7895, 82.9327



Deuteranomaly

62.3586, 66.0779, 89.5884



Tritanomaly

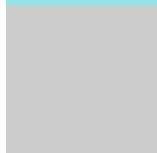
55.7532, 66.5119, 91.5609

Monochromacy



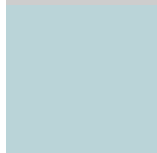
Original Color

55.1029, 66.6610, 87.8045



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

56.1879, 62.4839, 74.0649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1029, 66.6610, 87.8045 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(154, 225, 234)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 234)  
}
```

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(154, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 234) }
```

Border

The CSS property to change the border of an element to XYZ 55.1029, 66.6610, 87.8045 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(154, 225, 234) }
```


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

```
.border{ border-color:rgb(154, 225, 234) }
```

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

Here you see how a box with a 4 pixel rgb(154, 225, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(154, 225,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1029, 66.6610, 87.8045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 225, 234) }
```

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

```
.background{ background-color: rgb(154,  
225, 234) }
```

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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