

Converting Colors

XYZ(55.7477, 69.4726, 88.8234)

Have a look what the booklet for
XYZ(55.7477, 69.4726, 88.8234)
contains.

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Color

**XYZ(55.7841, 69.4459,
89.0615)**

Conversions

Conversions Part 1

Format	Color
Hex	94E7EB
RGB	148, 231, 235
RGB Percent	58%, 91%, 92%
CMY	0.4196, 0.0941, 0.0784
CMYK	0.37, 0.02, 0.00, 0.08
HSL	183°, 69%, 75%
HSV	183°, 37%, 92%
XYZ	55.7841, 69.4459, 89.0615
YIQ	206.6390, -50.7520, -16.3520

Conversions

Conversions Part 2

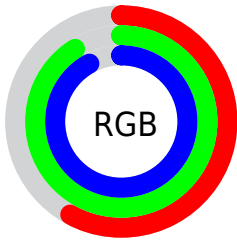
Format	Color
RYB	148, 190, 235
Decimal	9758699
CIELab	86.72, -24.15, -9.93
CIELCh	87, 26.113, 202.354
Yxy	69.4459, 0.2603, 0.3241
Android (android.graphics.Color)	4287948779 (0xFF94E7EB)
YUV	206.6390, 13.9820, -51.4264
Hunter-Lab	83.3342, -26.3466, -5.0309

Details

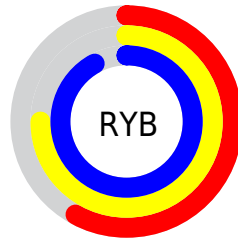
The XYZ color **55.7841, 69.4459, 89.0615** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.8356, 42.2577, 33.4959**, and the grayscale version is **59.0141, 62.0874, 67.6132**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **27.8803, 36.1899, 48.1637** is the 20% darker color. If you saturate the color by 10%, you get **51.6566, 66.8725, 88.7835**, and if you desaturate by 10%, it is **60.7805, 72.4734, 89.3837**.

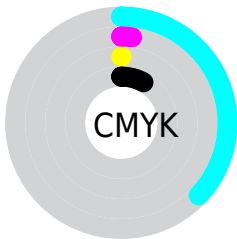
Distribution



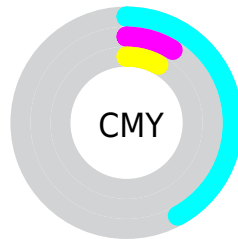
- Red (58%)
- Green (91%)
- Blue (92%)



- Red (58%)
- Yellow (75%)
- Blue (92%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)





- Cyan (42%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7841, 69.4459, 89.0615 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 55.7841, 69.4459, 89.0615 by changing the saturation by 10% instead.


 55.7841, 69.4459,
89.0615


 55.7841, 69.4459,
89.0615


398.9656,
458.6021, 545.4643

 40.2662, 51.0749,
66.6332


 97.8305, 118.4182,
147.9582

 27.9313, 36.2682,
48.3269

 125.0896,
149.7884, 185.2637

 18.4140, 24.6414,
33.7240

156.9933,
186.2604, 228.3653

 11.3491, 15.8101,
22.4060

193.9067,
228.2187, 277.6816

 6.3712, 9.3899,
13.9544

236.1953,
276.0476, 333.6311

 3.1149, 4.9964,
7.9505

284.2244,

 1.2148, 2.2451,

330.1315, 396.6323

3.9760

338.3594,
390.8549, 467.1039

■ 0.1180, 0.7444,
1.6122

■ 0.0000, 0.0000,
0.2995

■ 55.7841, 69.4459,
89.0615

■ 55.7841, 69.4459,
89.0615

■ 51.6566, 66.8725,
88.7835

■ 60.7805, 72.4734,
89.3837

■ 48.3392, 64.7177,
88.5425

■ 66.6877, 75.9715,
89.7476

■ 45.7757, 62.9544,
88.3372

■ 73.5524, 79.9660,
90.1568

■ 43.9001, 61.5485,
88.1647

■ 81.4162, 84.4783,
90.6133

■ 42.6349, 60.4600,
88.0213

■ 86.3473, 87.4816,
90.9331

■ 41.8803, 59.6375,
87.9023

■ 86.6598, 88.1067,
91.0372

■ 41.7060, 59.4189,
87.8693

■ 86.9743, 88.7355,
91.1421

■ 87.2906, 89.3682,
91.2475

■ 87.6088, 90.0046,
91.3536

Harmonies

Analogous

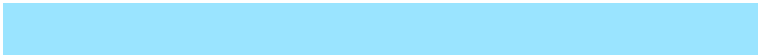
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.0953, 69.4459, 71.2515



55.7841, 69.4459, 89.0615



59.1273, 69.4459, 105.3085

Triad

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



55.7841, 69.4459, 89.0615



75.6915, 69.4459, 97.9373



67.5723, 69.4459, 47.0747

Complementary

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



55.7841, 69.4459, 89.0615



50.8356, 42.2577, 33.4959

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.



73.3990, 69.4459, 52.1041



55.7841, 69.4459, 89.0615



78.2702, 69.4459, 80.1527

Square

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



55.7841, 69.4459, 89.0615



70.5481, 69.4459, 110.9562



77.4066, 69.4459, 63.5946



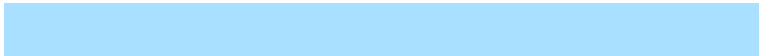
61.6636, 69.4459, 48.7090

Rectangle

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



55.7841, 69.4459, 89.0615



62.5291, 69.4459, 112.1740



77.4066, 69.4459, 63.5946



69.6100, 69.4459, 48.0115

Sweetspot

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



55.7862, 69.4486, 89.0631



85.0630, 94.2432, 108.3152



47.5004, 67.9451, 39.8485



17.9652, 20.0313, 23.1695



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.



55.7862, 69.4486, 89.0631



63.4804, 81.3164, 106.9576



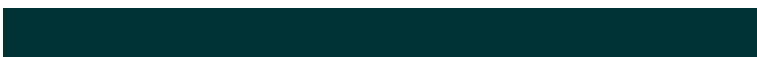
45.3214, 48.5191, 85.5749



15.4549, 16.9963, 19.3883



23.2376, 33.1223, 48.9115



1.8431, 2.6376, 3.8468

Inverse Universe

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



59.2764, 44.6133, 81.0913



68.2634, 47.7373, 95.9310



58.9886, 58.5638, 36.2136



15.6832, 15.3011, 18.8829



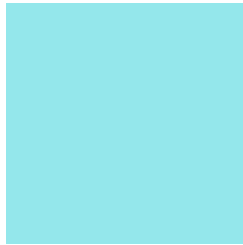
26.5846, 12.8365, 40.4753



2.0968, 1.0117, 3.2271

Previews

White Background



This preview shows how the XYZ color 55.7841, 69.4459, 89.0615 looks on a white background.

Color Contrast Check

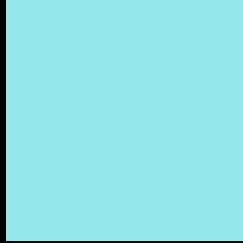
Large Text (above 18pt) WCAG AA × Fail

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 55.7841, 69.4459, 89.0615 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 55.7841, 69.4459, 89.0615

Background



This preview shows how black text looks on a background with the XYZ color 55.7841, 69.4459, 89.0615.

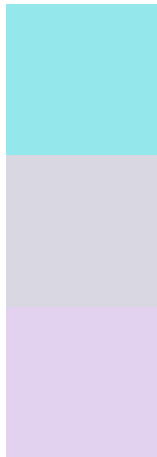


This preview shows how white text looks on a background with the XYZ color 55.7841, 69.4459,

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

55.7841, 69.4459, 89.0615

Protanopia

66.5063, 68.7888, 81.0065

Deuteranopia

69.9906, 68.4939, 91.1931



Tritanopia

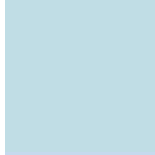
57.5703, 69.3333, 98.3441

Trichromacy



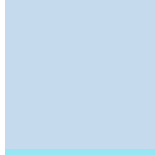
Original Color

55.7841, 69.4459, 89.0615



Protanomaly

61.7375, 68.5765, 84.1114



Deuteranomaly

63.7927, 68.3216, 90.7141



Tritanomaly

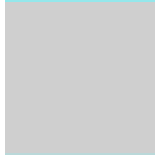
57.0522, 69.5487, 95.2113

Monochromacy



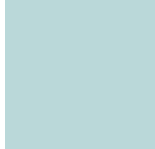
Original Color

55.7841, 69.4459, 89.0615



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

57.3300, 64.5606, 75.0855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7841, 69.4459, 89.0615 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(148, 231, 235)` looks like.

```
.text, #text, p{  
    color:rgb(148, 231, 235)  
}
```

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(148, 231, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 231, 235) }
```

Border

The CSS property to change the border of an element to XYZ 55.7841, 69.4459, 89.0615 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(148, 231, 235) }
```


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

```
.border{ border-color:rgb(148, 231, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 231, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(148, 231,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7841, 69.4459, 89.0615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 231, 235) }
```

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

```
.background{ background-color: rgb(148,  
231, 235) }
```

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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