

Converting Colors

XYZ(54.7912, 70.8736, 97.9219)

Have a look what the booklet for
XYZ(54.7912, 70.8736, 97.9219)
contains.

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Color

**XYZ(54.7984, 70.8557,
97.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	7BECF6
RGB	123, 236, 246
RGB Percent	48%, 93%, 96%
CMY	0.5176, 0.0745, 0.0353
CMYK	0.50, 0.04, 0.00, 0.04
HSL	185°, 87%, 72%
HSV	185°, 50%, 96%
XYZ	54.7984, 70.8557, 97.9771
YIQ	203.3530, -70.5580, -20.8460

Conversions

Conversions Part 2

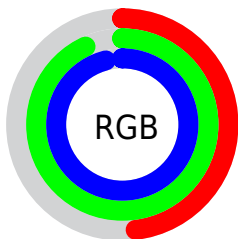
Format	Color
RYB	123, 182, 246
Decimal	8121590
CIELab	87.41, -29.61, -14.78
CIElCh	87, 33.093, 206.536
Yxy	70.8557, 0.2450, 0.3168
Android (android.graphics.Color)	4286311670 (0xFF7BECF6)
YUV	203.3530, 21.0250, -70.4696
Hunter-Lab	84.1758, -31.1043, -10.0880

Details

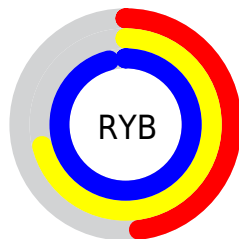
The XYZ color **54.7984, 70.8557, 97.9771** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.9701, 37.7993, 23.4031**, and the grayscale version is **56.8923, 59.8551, 65.1822**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **27.3604, 37.2598, 54.4650** is the 20% darker color. If you saturate the color by 10%, you get **51.1397, 68.1213, 97.6434**, and if you desaturate by 10%, it is **59.3519, 74.0642, 98.3577**.

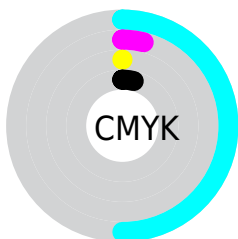
Distribution



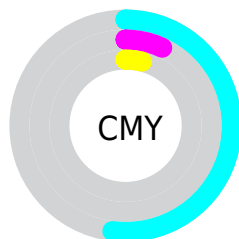
- Red (48%)
- Green (93%)
- Blue (96%)



- Red (48%)
- Yellow (71%)
- Blue (96%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7984, 70.8557, 97.9771 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 54.7984, 70.8557, 97.9771 by changing the saturation by 10% instead.


 54.7984, 70.8557,
97.9771


 54.7984, 70.8557,
97.9771

395.2961,
463.5488, 574.8786

 39.4735, 52.2244,
74.0048


 96.3956, 120.4282,
160.4020

 27.3107, 37.1840,
54.3011


 123.3986,
152.1383, 199.6917

 17.9445, 25.3500,
38.4476


 155.0250,
188.9768, 244.9242

 11.0096, 16.3380,
26.0258

191.6403,
231.3280, 296.5181

 6.1406, 9.7636,
16.6170

233.6096,
279.5765, 354.8920

 2.9723, 5.2425,
9.8027

281.2985,

 1.1391, 2.3903,

334.1065, 420.4643

5.1645

335.0722,
395.3025, 493.6537

■ 0.0575, 0.8209,
2.2837

■ 0.0000, 0.0000,
0.7220

■ 54.7984, 70.8557,
97.9771

■ 54.7984, 70.8557,
97.9771

■ 51.1397, 68.1213,
97.6434

■ 59.3519, 74.0642,
98.3577

■ 48.3018, 65.8179,
97.3484


■ 64.8543, 77.7699,
98.7829


■ 46.2095, 63.9084,
97.0901


■ 71.3630, 82.0040,
99.2571

■ 44.7709, 62.3454,
96.8642


■ 78.9289, 86.7927,
99.7827

 43.8328, 61.0498,
96.6636


 87.5995, 92.1607,
100.3618

 43.8326, 61.0495,
96.6635

 91.4427, 95.0497,
100.7169

 92.0608, 96.2859,
100.9229

 92.6854, 97.5352,
101.1312

 93.3167, 98.7978,
101.3416

Harmonies

Analogous

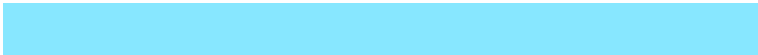
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.4562, 70.8557, 74.5834



54.7984, 70.8557, 97.9771



59.4093, 70.8557, 118.8218

Triad

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



54.7984, 70.8557, 97.9771



80.6504, 70.8557, 103.3440



68.2565, 70.8557, 41.7240

Complementary

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



54.7984, 70.8557, 97.9771



49.9701, 37.7993, 23.4031

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.



75.9603, 70.8557, 46.5755



54.7984, 70.8557, 97.9771



83.4553, 70.8557, 79.7744

Square

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



54.7984, 70.8557, 97.9771



74.2722, 70.8557, 122.3168



81.6767, 70.8557, 59.5053



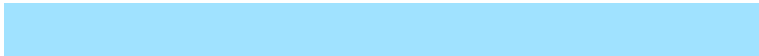
60.8648, 70.8557, 44.7461

Rectangle

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



54.7984, 70.8557, 97.9771



63.9139, 70.8557, 126.9214



81.6767, 70.8557, 59.5053



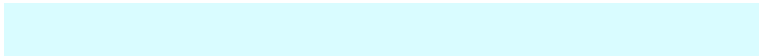
70.8993, 70.8557, 42.4599

Sweetspot

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



54.8006, 70.8584, 97.9788



81.3671, 91.4857, 107.9777



45.2361, 71.7681, 33.0143



17.0506, 19.3499, 23.0862



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.



54.8006, 70.8584, 97.9788



55.4496, 73.8850, 105.9465



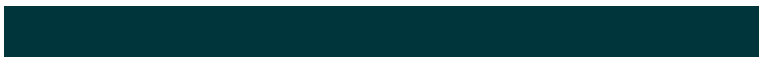
40.3890, 42.0353, 93.1749



16.8747, 18.5138, 21.2267



23.4454, 32.6845, 51.6111



2.0941, 2.9396, 4.5473

Inverse Universe

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



60.2311, 39.8168, 83.8707



62.1032, 37.2075, 88.3573



60.5865, 59.0322, 26.9419



17.1521, 16.7437, 20.5475



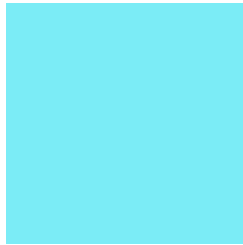
27.6386, 13.3989, 39.6670



2.4461, 1.1844, 3.5753

Previews

White Background



This preview shows how the XYZ color 54.7984, 70.8557, 97.9771 looks on a white background.

Color Contrast Check

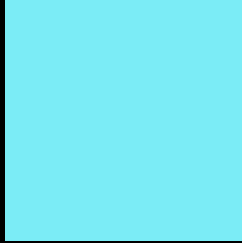
Large Text (above 18pt) WCAG AA × Fail

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 54.7984, 70.8557, 97.9771 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 54.7984, 70.8557, 97.9771

Background



This preview shows how black text looks on a background with the XYZ color 54.7984, 70.8557, 97.9771.

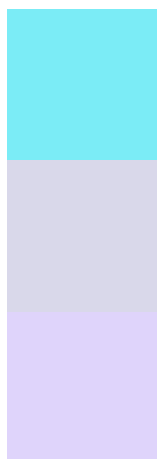


This preview shows how white text looks on a background with the XYZ color 54.7984, 70.8557,

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

54.7984, 70.8557, 97.9771

Protanopia

68.0224, 69.8040, 87.7302

Deuteranopia

71.3875, 69.7400, 100.9654



Tritanopia

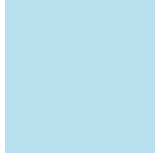
56.2019, 71.0080, 104.5097

Trichromacy



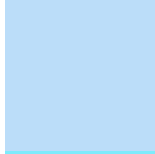
Original Color

54.7984, 70.8557, 97.9771



Protanomaly

61.3487, 69.0157, 90.9769



Deuteranomaly

63.4489, 69.1173, 99.6194



Tritanomaly

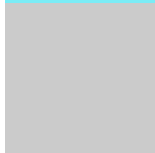
55.5784, 70.7417, 101.9920

Monochromacy



Original Color

54.7984, 70.8557, 97.9771



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.5422, 62.7140, 76.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7984, 70.8557, 97.9771 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(123, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(123, 236, 246)  
}
```

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(123, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 236, 246) }
```

Border

The CSS property to change the border of an element to XYZ 54.7984, 70.8557, 97.9771 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(123, 236, 246) }
```


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

```
.border{ border-color:rgb(123, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(123, 236,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7984, 70.8557, 97.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 236, 246) }
```

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

```
.background{ background-color: rgb(123,  
236, 246) }
```

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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