

Converting Colors

XYZ(55.3501, 69.9199,
105.1864)

Have a look what the booklet for
XYZ(55.3501, 69.9199, 105.1864)
contains.

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Color

**XYZ(55.4989, 70.2032,
105.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	7AEAFF
RGB	122, 234, 255
RGB Percent	48%, 92%, 100%
CMY	0.5215, 0.0823, 0.0000
CMYK	0.52, 0.08, 0.00, 0.00
HSL	189°, 100%, 74%
HSV	189°, 52%, 100%
XYZ	55.4989, 70.2032, 105.2332
YIQ	202.9060, -73.4930, -17.2130

Conversions

Conversions Part 2

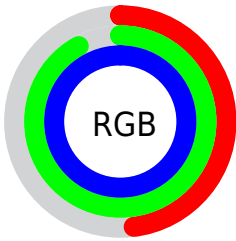
Format	Color
R _Y B	122, 183, 255
Decimal	8055551
CIE _{Lab}	87.10, -26.47, -19.99
CIE _{LCh}	87, 33.168, 217.058
Y _{xy}	70.2032, 0.2403, 0.3040
Android (android.graphics.Color)	4286245631 (0xFF7AEAFF)
YUV	202.9060, 25.6823, -70.9546
Hunter-Lab	83.7873, -28.3934, -15.8145

Details

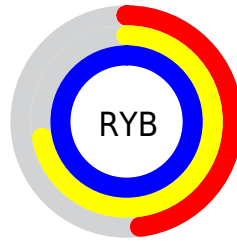
The XYZ color **55.4989, 70.2032, 105.2332** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5762, 42.3112, 23.7049**, and the grayscale version is **56.5848, 59.5316, 64.8299**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **27.7443, 36.7588, 59.0590** is the 20% darker color. If you saturate the color by 10%, you get **51.2180, 66.3156, 104.7085**, and if you desaturate by 10%, it is **60.7568, 74.6362, 105.8117**.

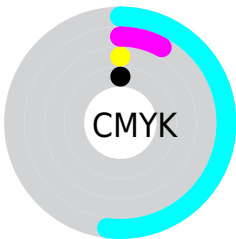
Distribution



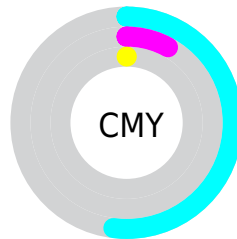
- Red (48%)
- Green (92%)
- Blue (100%)



- Red (48%)
- Yellow (72%)
- Blue (100%)



- Cyan (52%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4989, 70.2032, 105.2332 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 55.4989, 70.2032, 105.2332 by changing the saturation by 10% instead.

55.4989, 70.2032,
105.2332

55.4989, 70.2032,
105.2332

397.9060,
461.2632, 598.2330

40.0367, 51.6922,
80.0370

97.4156, 119.4985,
170.4448

27.7515, 36.7598,
59.2224

124.6008,
151.0516, 211.2972

18.2779, 25.0216,
42.3710

156.4245,
187.7208, 258.2055

11.2506, 16.0931,
29.0642

193.2519,
229.8906, 311.5881

6.3042, 9.5901,
18.8834

235.4484,
277.9453, 371.8636

3.0733, 5.1280,
11.4101

283.3793,

1.1927, 2.3226,

332.2694, 439.4506

6.2257

337.4101,
393.2472, 514.7675

■ 0.1006, 0.7856,
2.9118

■ 0.0000, 0.0000,
1.0498

■ 55.4989, 70.2032,
105.2332

■ 55.4989, 70.2032,
105.2332

■ 51.2180, 66.3156,
104.7085

■ 60.7568, 74.6362,
105.8117

■ 47.8323, 62.9264,
104.2327

■ 67.0537, 79.6422,
106.4461

■ 45.2563, 59.9928,
103.8022

■ 74.4530, 85.2556,
107.1396

■ 43.3842, 57.4599,
103.4120

■ 83.0114, 91.5061,
107.8950

■ 42.2847, 55.6894,
103.1282

■ 92.7818, 98.4209,
108.7148

95.0500, 100.0000,
108.9000

Harmonies

Analogous

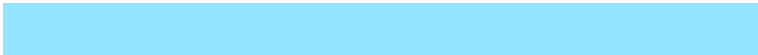
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.9696, 70.2032, 81.8183



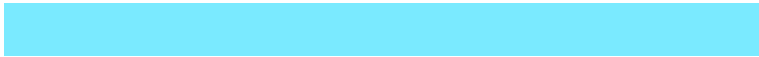
55.4989, 70.2032, 105.2332



61.0698, 70.2032, 123.0029

Triad

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



55.4989, 70.2032, 105.2332



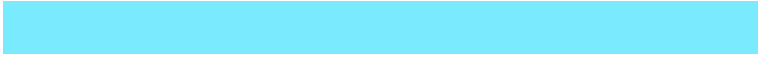
81.4524, 70.2032, 94.3615



64.9071, 70.2032, 41.3525

Complementary

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



55.4989, 70.2032, 105.2332



54.5762, 42.3112, 23.7049

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.



72.7211, 70.2032, 43.4179



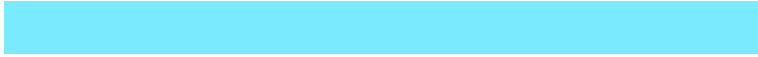
55.4989, 70.2032, 105.2332



82.6791, 70.2032, 71.3015

Square

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



55.4989, 70.2032, 105.2332



76.1407, 70.2032, 115.9237



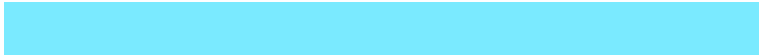
79.3735, 70.2032, 53.4445



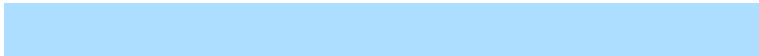
58.1213, 70.2032, 47.1245

Rectangle

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



55.4989, 70.2032, 105.2332



65.9620, 70.2032, 127.6302



79.3735, 70.2032, 53.4445



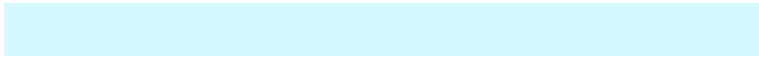
67.4959, 70.2032, 41.1749

Sweetspot

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



55.5008, 70.2058, 105.2336



79.5794, 89.0251, 107.5970



48.6662, 77.6097, 37.9890



16.6556, 18.7793, 22.9969



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.



55.5008, 70.2058, 105.2336



50.8980, 66.0102, 104.6664



40.1822, 39.5685, 100.1274



18.2963, 19.9642, 23.1391



22.1862, 29.2820, 53.9172



2.2229, 2.9765, 5.2706

Inverse Universe

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



63.0522, 41.1214, 82.4586



59.5059, 35.0206, 78.2195



67.4196, 67.9980, 27.9861



18.6622, 18.2482, 22.1042



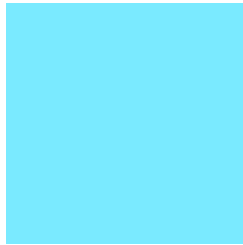
27.9868, 13.6840, 34.9105



2.7566, 1.3450, 3.5657

Previews

White Background



This preview shows how the XYZ color 55.4989, 70.2032, 105.2332 looks on a white background.

Color Contrast Check

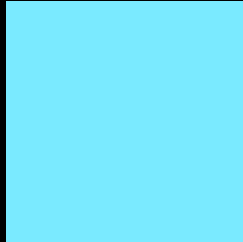
Large Text (above 18pt) WCAG AA × Fail

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 55.4989, 70.2032, 105.2332 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 55.4989, 70.2032, 105.2332

Background



This preview shows how black text looks on a background with the XYZ color 55.4989, 70.2032, 105.2332.

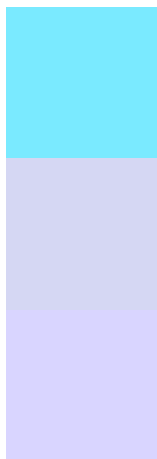


This preview shows how white text looks on a background with the XYZ color 55.4989, 70.2032,

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

55.4989, 70.2032, 105.2332

Protanopia

67.9187, 69.2181, 94.5747

Deuteranopia

70.4595, 69.5602, 104.3206



Tritanopia

55.0376, 70.0024, 103.5395

Trichromacy



Original Color

55.4989, 70.2032, 105.2332



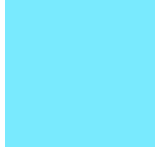
Protanomaly

61.7322, 68.6613, 97.9950



Deuteranomaly

63.1979, 68.8780, 104.5716



Tritanomaly

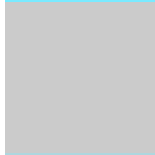
55.1974, 70.0663, 104.3809

Monochromacy



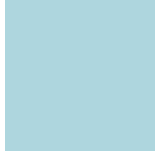
Original Color

55.4989, 70.2032, 105.2332



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.6869, 62.3657, 78.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4989, 70.2032, 105.2332 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(122, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 234, 255)  
}
```

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(122, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4989, 70.2032, 105.2332 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(122, 234, 255) }
```


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

```
.border{ border-color:rgb(122, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4989, 70.2032, 105.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 234, 255) }
```

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

```
.background{ background-color: rgb(122,  
234, 255) }
```

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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