

Converting Colors

XYZ(55.3521, 67.4418,
104.7080)

Have a look what the booklet for
XYZ(55.3521, 67.4418, 104.7080)
contains.

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Color

**XYZ(55.4663, 67.6934,
104.7505)**

Conversions

Conversions Part 1

Format	Color
Hex	85E4FF
RGB	133, 228, 255
RGB Percent	52%, 89%, 100%
CMY	0.4784, 0.1059, 0.0000
CMYK	0.48, 0.11, 0.00, 0.00
HSL	193°, 100%, 76%
HSV	193°, 48%, 100%
XYZ	55.4663, 67.6934, 104.7505
YIQ	202.6730, -65.2870, -11.7430

Conversions

Conversions Part 2

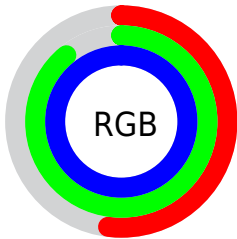
Format	Color
RYB	133, 186, 255
Decimal	8774911
CIELab	85.85, -21.19, -21.83
CIElCh	86, 30.422, 225.850
Yxy	67.6934, 0.2434, 0.2970
Android (android.graphics.Color)	4286964991 (0xFF85E4FF)
YUV	202.6730, 25.7972, -61.1032
Hunter-Lab	82.2760, -23.6474, -17.8924

Details

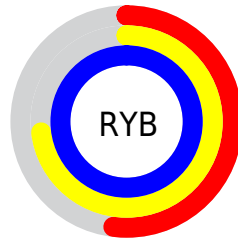
The XYZ color **55.4663, 67.6934, 104.7505** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.0451, 48.0958, 28.4164**, and the grayscale version is **56.4343, 59.3733, 64.6575**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **27.6181, 34.9600, 58.7184** is the 20% darker color. If you saturate the color by 10%, you get **50.3916, 62.8117, 104.0757**, and if you desaturate by 10%, it is **61.5725, 73.1851, 105.4887**.

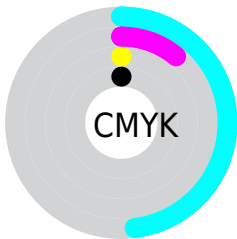
Distribution



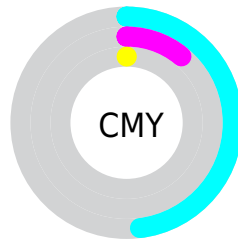
- Red (52%)
- Green (89%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4663, 67.6934, 104.7505 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 55.4663, 67.6934, 104.7505 by changing the saturation by 10% instead.

55.4663, 67.6934,
104.7505

55.4663, 67.6934,
104.7505

397.7848,
452.4090, 596.6945

40.0105, 49.6483,
79.6349

97.3682, 115.9134,
169.7789

27.7310, 35.1341,
58.8935

124.5449,
146.8572, 210.5287

18.2624, 23.7662,
42.1080

156.3594,
182.8693, 257.3270

11.2394, 15.1603,
28.8596

193.1770,
224.3341, 310.5923

6.2965, 8.9319,
18.7300

235.3629,
271.6361, 370.7432

3.0686, 4.6968,
11.3005

283.2826,

1.1901, 2.0705,

325.1597, 438.1981

6.1526

337.3015,
385.2892, 513.3757

■ 0.0986, 0.6480,
2.8678

■ 0.0000, 0.0000,
1.0275

■ 55.4663, 67.6934,
104.7505

■ 55.4663, 67.6934,
104.7505

■ 50.3916, 62.8117,
104.0757

■ 61.5725, 73.1851,
105.4887

■ 46.2704, 58.4945,
103.4596

■ 68.7699, 79.3138,
106.2923

■ 43.0222, 54.7012,
102.8986

■ 77.1198, 86.1132,
107.1646

■ 40.5501, 51.3811,
102.3881

■ 86.6775, 93.6125,
108.1084

■ 38.7244, 48.4665, 95.0500, 100.0000,
101.9217 108.9000

■ 38.3748, 47.8696,
101.8249

Harmonies

Analogous

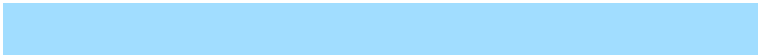
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.3121, 67.6934, 84.6716



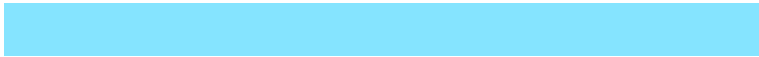
55.4663, 67.6934, 104.7505



61.1257, 67.6934, 117.4402

Triad

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



55.4663, 67.6934, 104.7505



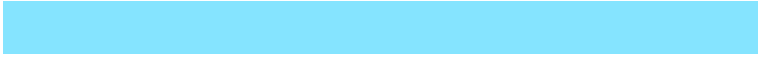
78.2014, 67.6934, 83.4735



60.7561, 67.6934, 42.6562

Complementary

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



55.4663, 67.6934, 104.7505



58.0451, 48.0958, 28.4164

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.



67.6661, 67.6934, 42.4523



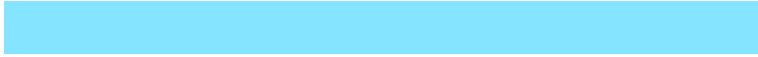
55.4663, 67.6934, 104.7505



78.0845, 67.6934, 63.7316

Square

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



55.4663, 67.6934, 104.7505



74.4229, 67.6934, 103.7382



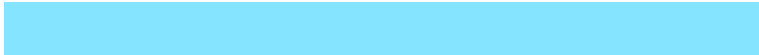
74.1142, 67.6934, 49.4958



55.2126, 67.6934, 50.1145

Rectangle

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



55.4663, 67.6934, 104.7505



65.7134, 67.6934, 118.7586



74.1142, 67.6934, 49.4958



62.9869, 67.6934, 41.7893

Sweetspot

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



55.4682, 67.6959, 104.7509



80.6451, 88.9093, 107.5185



51.7298, 79.0254, 45.5274



16.8328, 18.6913, 22.9706



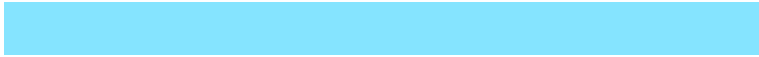
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.4682, 67.6959, 104.7509



50.7807, 63.2000, 104.1301



41.6472, 40.0540, 100.1439



18.1938, 19.7593, 23.1050



20.1676, 25.2448, 53.2444



2.0437, 2.6181, 5.2109

Inverse Universe

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



63.6324, 43.6382, 78.4708



60.0753, 37.6553, 73.7976



71.1815, 74.3686, 32.7952



18.6105, 18.2275, 21.8319



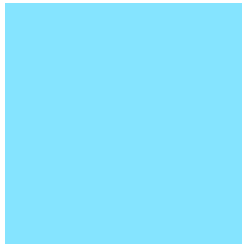
26.9679, 13.2764, 29.5450



2.6662, 1.3088, 3.0895

Previews

White Background



This preview shows how the XYZ color 55.4663, 67.6934, 104.7505 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 55.4663, 67.6934, 104.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

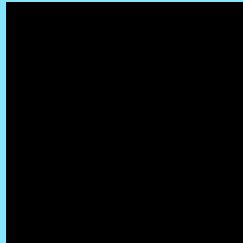
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4663, 67.6934, 104.7505

Background



This preview shows how black text looks on a background with the XYZ color 55.4663, 67.6934, 104.7505.

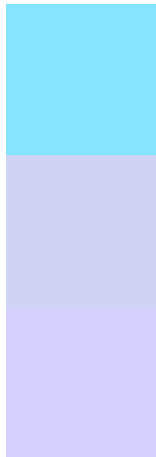


This preview shows how white text looks on a background with the XYZ color 55.4663, 67.6934,

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

55.4663, 67.6934, 104.7505

Protanopia

65.8850, 67.0285, 95.0532

Deuteranopia

68.0018, 66.8180, 103.9208



Tritanopia

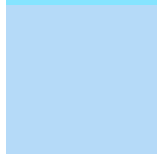
54.3227, 67.6412, 98.9999

Trichromacy



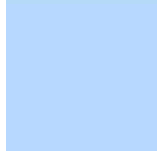
Original Color

55.4663, 67.6934, 104.7505



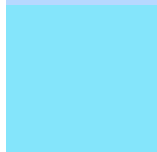
Protanomaly

61.0707, 66.7439, 98.4710



Deuteranomaly

62.1343, 66.3990, 104.1492



Tritanomaly

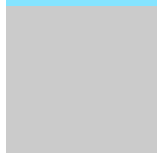
54.9476, 67.9092, 101.4785

Monochromacy



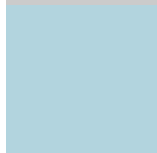
Original Color

55.4663, 67.6934, 104.7505



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

55.0884, 61.8259, 78.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4663, 67.6934, 104.7505 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(133, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 228, 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(133, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.4663, 67.6934, 104.7505 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(133, 228, 255) }
```


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

```
.border{ border-color:rgb(133, 228, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4663, 67.6934, 104.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 228, 255) }
```

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

```
.background{ background-color: rgb(133,  
228, 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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