

Converting Colors

XYZ(48.9937, 55.6096, 94.1032)

Have a look what the booklet for
XYZ(48.9937, 55.6096, 94.1032)
contains.

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Color

**XYZ(48.9757, 55.7697,
93.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	8CCDF4
RGB	140, 205, 244
RGB Percent	55%, 80%, 96%
CMY	0.4510, 0.1961, 0.0431
CMYK	0.43, 0.16, 0.00, 0.04
HSL	202°, 83%, 75%
HSV	202°, 43%, 96%
XYZ	48.9757, 55.7697, 93.7713
YIQ	190.0110, -51.2590, -1.6510

Conversions

Conversions Part 2

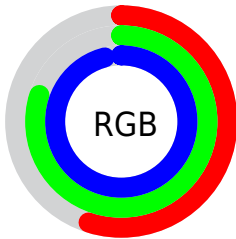
Format	Color
RYB	140, 180, 244
Decimal	9227764
CIELab	79.48, -10.71, -25.66
CIELCh	79, 27.804, 247.342
Yxy	55.7697, 0.2467, 0.2809
Android (android.graphics.Color)	4287417844 (0xFF8CCDF4)
YUV	190.0110, 26.6166, -43.8596
Hunter-Lab	74.6791, -13.6254, -22.1725

Details

The XYZ color **48.9757, 55.7697, 93.7713** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.1634, 53.3683, 32.0484**, and the grayscale version is **48.8242, 51.3668, 55.9385**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **23.7110, 27.6031, 51.6552** is the 20% darker color. If you saturate the color by 10%, you get **43.1862, 49.6315, 92.8926**, and if you desaturate by 10%, it is **55.8083, 62.6381, 94.7379**.

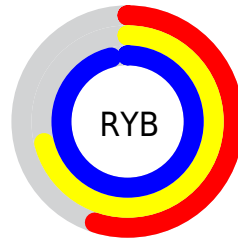
Distribution



Red (55%)

Green (80%)

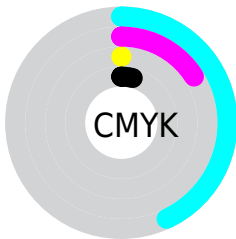
Blue (96%)



Red (55%)

Yellow (71%)

Blue (96%)

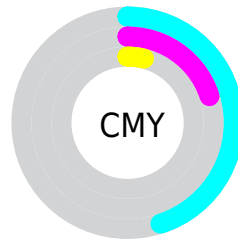


Cyan (43%)

Magenta (16%)

Yellow (0%)

Black (4%)



Cyan (45%)

Magenta (20%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9757, 55.7697, 93.7713 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 48.9757, 55.7697, 93.7713 by changing the saturation by 10% instead.

■ 48.9757, 55.7697,
93.7713

■ 48.9757, 55.7697,
93.7713

373.1652,
408.8230, 561.1074

■ 34.8147, 40.0183,
70.5215

■ 87.8563, 98.6678,
154.5469

■ 23.6860, 27.5528,
51.4724

■ 113.3066,
126.5832, 192.9099

■ 15.2243, 17.9888,
36.2054

143.2506,
159.3222, 237.1477

■ 9.0643, 10.9420,
24.3019

178.0538,
197.2690, 287.6788

■ 4.8406, 6.0278,
15.3434

218.0815,
240.8081, 344.9218

■ 2.1878, 2.8620,
8.9115

263.6991,

■ 0.7363, 1.0601,

290.3239, 409.2952

4.5875

315.2719,
346.2007, 481.2176

■ 0.0000, 0.0000,
1.9528

■ 0.0000, 0.0000,
0.5261

■ 48.9757, 55.7697,
93.7713

■ 48.9757, 55.7697,
93.7713

■ 43.1862, 49.6315,
92.8926

■ 55.8083, 62.6381,
94.7379

■ 38.3714, 44.1813,
92.0944

■ 63.7360, 70.2631,
95.7919

■ 34.4624, 39.3816,
91.3740

■ 72.8138, 78.6772,
96.9375

■ 31.3781, 35.1871,
90.7270

■ 83.0910, 87.9088,
98.1777

■ 29.0207, 31.5440,
90.1480

■ 91.9893, 96.6317,
99.3924

■ 27.6393, 29.1516,
89.7590

■ 93.3293, 99.3117,
99.8391

Harmonies

Analogous

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



44.9170, 55.7697, 81.3634



48.9757, 55.7697, 93.7713



54.3922, 55.7697, 96.6354

Triad

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



48.9757, 55.7697, 93.7713



64.3922, 55.7697, 56.8761



46.7544, 55.7697, 39.4004

Complementary

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



48.9757, 55.7697, 93.7713



58.1634, 53.3683, 32.0484

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.



51.6464, 55.7697, 35.0349



48.9757, 55.7697, 93.7713



62.0153, 55.7697, 43.9078

Square

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



48.9757, 55.7697, 93.7713



63.5522, 55.7697, 73.3639



57.2546, 55.7697, 36.5265



43.6988, 55.7697, 49.6258

Rectangle

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



48.9757, 55.7697, 93.7713



58.0964, 55.7697, 92.3586



57.2546, 55.7697, 36.5265



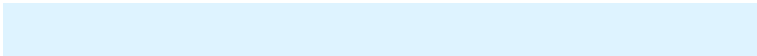
48.2247, 55.7697, 37.2890

Sweetspot

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



48.9775, 55.7718, 93.7726



80.0500, 86.5694, 107.0982



51.2168, 73.4979, 53.6787



16.6373, 18.0743, 22.8618



0.0000, 0.0000, 0.0000



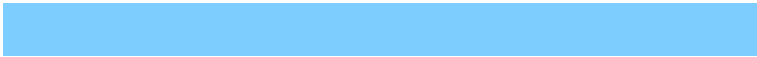
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9775, 55.7718, 93.7726



48.6274, 55.8306, 102.8212



38.6797, 35.1763, 90.3400



16.4441, 17.6525, 21.0831



15.1641, 16.1220, 48.8506



1.4313, 1.6140, 4.3263

Inverse Universe

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



57.7073, 42.3989, 62.9020



59.7361, 40.3821, 63.1865



70.3771, 77.7958, 36.1197



16.9347, 16.6568, 19.4029



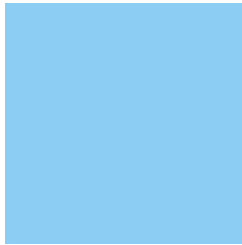
23.4587, 11.7269, 17.6555



2.1115, 1.0506, 1.8136

Previews

White Background



This preview shows how the XYZ color 48.9757, 55.7697, 93.7713 looks on a white background.

Color Contrast Check

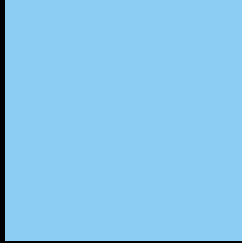
Large Text (above 18pt) WCAG AA × Fail

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 48.9757, 55.7697, 93.7713 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 48.9757, 55.7697, 93.7713

Background



This preview shows how black text looks on a background with the XYZ color 48.9757, 55.7697, 93.7713.

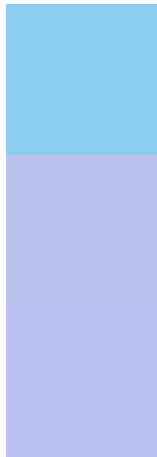


This preview shows how white text looks on a background with the XYZ color 48.9757, 55.7697,

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

48.9757, 55.7697, 93.7713

Protanopia

55.0714, 55.2628, 87.8850

Deuteranopia

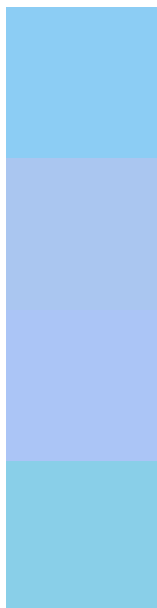
56.6244, 55.2335, 95.6724



Tritanopia

46.1382, 55.6989, 79.5534

Trichromacy



Original Color

48.9757, 55.7697, 93.7713

Protanomaly

52.4998, 55.2255, 90.3306

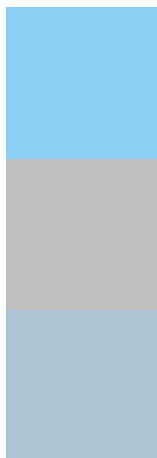
Deuteranomaly

53.3954, 55.2443, 95.0377

Tritanomaly

47.1948, 55.7702, 84.6212

Monochromacy



Original Color

48.9757, 55.7697, 93.7713

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.1612, 52.4540, 68.5590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9757, 55.7697, 93.7713 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(140, 205, 244)` looks like.

```
.text, #text, p{  
    color:rgb(140, 205, 244)  
}
```

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(140, 205, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 205, 244) }
```

Border

The CSS property to change the border of an element to XYZ 48.9757, 55.7697, 93.7713 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(140, 205, 244) }
```


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

```
.border{ border-color:rgb(140, 205, 244) }
```

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

Here you see how a box with a 4 pixel rgb(140, 205, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 205, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 205, 244);  
box-shadow:4px 4px 4px 4px rgb(140, 205,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9757, 55.7697, 93.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 205, 244) }
```

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

```
.background{ background-color: rgb(140,  
205, 244) }
```

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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