

Converting Colors

XYZ(48.8241, 55.7749,
102.8001)

Have a look what the booklet for
XYZ(48.8241, 55.7749, 102.8001)
contains.

XYZ(48.8737, 55.8746, 102.8167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8737, 55.8746,
102.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	7FCEFF
RGB	127, 206, 255
RGB Percent	50%, 81%, 100%
CMY	0.5019, 0.1921, 0.0000
CMYK	0.50, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 50%, 100%
XYZ	48.8737, 55.8746, 102.8167
YIQ	187.9650, -62.8130, -1.5090

Conversions

Conversions Part 2

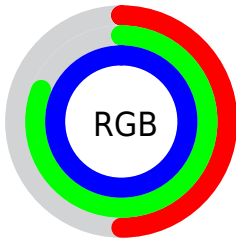
Format	Color
R_{YB}	127, 176, 255
Decimal	8376063
CIE _{Lab}	79.54, -11.25, -31.49
CIE _{LCh}	80, 33.435, 250.343
Yxy	55.8746, 0.2355, 0.2692
Android (android.graphics.Color)	4286566143 (0xFF7FCEFF)
YUV	187.9650, 33.0483, -53.4663
Hunter-Lab	74.7493, -14.1018, -29.2281

Details

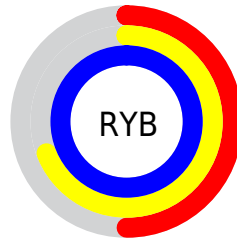
The XYZ color **48.8737, 55.8746, 102.8167** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.5971, 53.8443, 27.2799**, and the grayscale version is **47.6256, 50.1058, 54.5652**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.6680, 27.6919, 57.5237** is the 20% darker color. If you saturate the color by 10%, you get **43.2681, 49.6049, 101.9020**, and if you desaturate by 10%, it is **55.5894, 62.9356, 103.8256**.

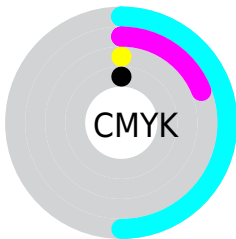
Distribution



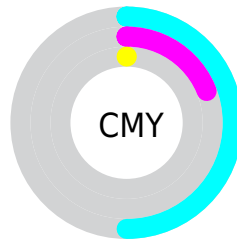
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8737, 55.8746, 102.8167 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 48.8737, 55.8746, 102.8167 by changing the saturation by 10% instead.

■ 48.8737, 55.8746,
102.8167

■ 48.8737, 55.8746,
102.8167

372.7701,
409.2187, 590.5096

■ 34.7334, 40.1024,
78.0250

■ 87.7057, 98.8212,
167.1081

■ 23.6232, 27.6184,
57.5780

■ 113.1281,
126.7644, 207.4450

■ 15.1775, 18.0382,
41.0570

■ 143.0420,
159.5334, 253.8006

■ 9.0312, 10.9774,
28.0436

177.8126,
197.5125, 306.5936

■ 4.8188, 6.0516,
18.1192

217.8054,
241.0862, 366.2424

■ 2.1750, 2.8765,
10.8653

263.3857,

■ 0.7295, 1.0676,

290.6389, 433.1657

5.8633

314.9188,
346.5549, 507.7819

■ 0.0000, 0.0000,
2.6947

■ 0.0000, 0.0000,
0.9407

■ 48.8737, 55.8746,
102.8167

■ 48.8737, 55.8746,
102.8167

■ 43.2681, 49.6049,
101.9020

■ 55.5894, 62.9356,
103.8256

■ 38.6912, 44.0771,
101.0762

■ 63.4792, 70.8211,
104.9319

■ 35.0571, 39.2442,
100.3349

■ 72.6075, 79.5693,
106.1393

■ 32.2619, 35.0484,
99.6724

■ 83.0324, 89.2137,
107.4514

■ 30.1721, 31.4642,
99.0907

94.8082, 99.7859,
108.8714

95.0500, 100.0000,
108.9000

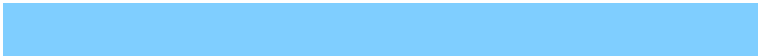
Harmonies

Analogous

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



43.8458, 55.8746, 88.1082



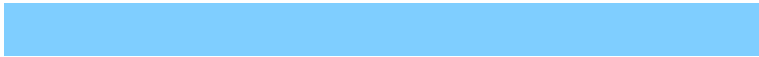
48.8737, 55.8746, 102.8167



55.4635, 55.8746, 105.0415

Triad

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



48.8737, 55.8746, 102.8167



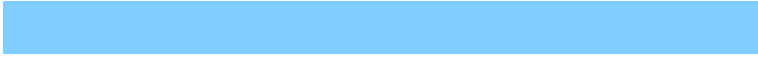
66.8752, 55.8746, 54.4264



45.1659, 55.8746, 36.7458

Complementary

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



48.8737, 55.8746, 102.8167



60.5971, 53.8443, 27.2799

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.



50.8185, 55.8746, 31.1875



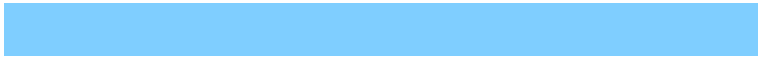
48.8737, 55.8746, 102.8167



63.5886, 55.8746, 39.8697

Square

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



48.8737, 55.8746, 102.8167



66.2433, 55.8746, 74.1696



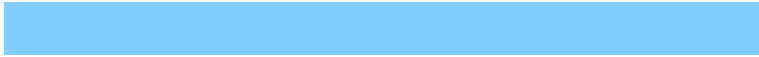
57.5782, 55.8746, 32.1954



41.8336, 55.8746, 49.2079

Rectangle

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



48.8737, 55.8746, 102.8167



59.9132, 55.8746, 98.7352



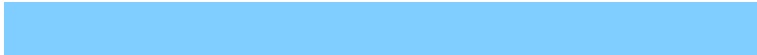
57.5782, 55.8746, 32.1954



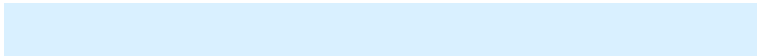
46.8371, 55.8746, 34.1408

Sweetspot

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



48.8754, 55.8766, 102.8170



77.8565, 84.4644, 106.8075



52.1472, 79.0860, 52.5290



16.1993, 17.6473, 22.8024



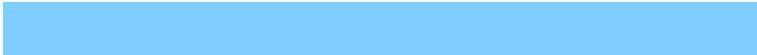
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.8754, 55.8766, 102.8170



43.3667, 49.7192, 101.9188



36.7875, 31.7008, 98.7877



17.9367, 19.2449, 23.0192



15.9145, 16.7385, 51.8267



1.6552, 1.8412, 5.0814

Inverse Universe

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



59.9711, 40.8967, 63.1275



56.0043, 34.7679, 56.2410



75.6265, 83.9032, 32.2897



18.4807, 18.1756, 21.1484



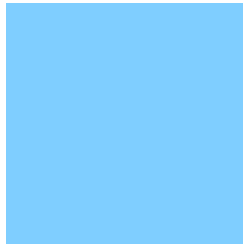
24.8211, 12.4177, 18.2401



2.4701, 1.2304, 2.0570

Previews

White Background



This preview shows how the XYZ color 48.8737, 55.8746, 102.8167 looks on a white background.

Color Contrast Check

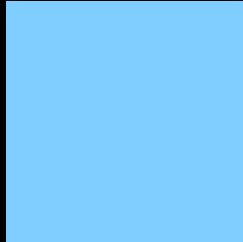
Large Text (above 18pt) WCAG AA × Fail

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 48.8737, 55.8746, 102.8167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

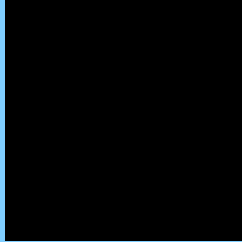
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8737, 55.8746, 102.8167

Background



This preview shows how black text looks on a background with the XYZ color 48.8737, 55.8746, 102.8167.



This preview shows how white text looks on a background with the XYZ color 48.8737, 55.8746,

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

48.8737, 55.8746, 102.8167

Protanopia

55.4548, 55.3047, 94.9409

Deuteranopia

56.4114, 55.3050, 102.3095



Tritanopia

44.7691, 56.0415, 81.8563

Trichromacy



Original Color

48.8737, 55.8746, 102.8167

Protanomaly

52.3972, 55.0143, 97.4797

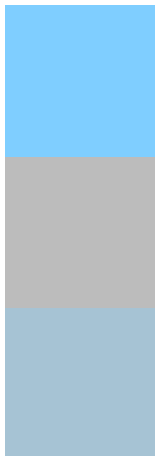
Deuteranomaly

53.1444, 55.2895, 102.4787

Tritanomaly

46.1182, 55.8389, 89.2362

Monochromacy



Original Color

48.8737, 55.8746, 102.8167

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1247, 51.8907, 69.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8737, 55.8746, 102.8167 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(127, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 206, 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(127, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8737, 55.8746, 102.8167 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(127, 206, 255) }
```


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

```
.border{ border-color:rgb(127, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8737, 55.8746, 102.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 206, 255) }
```

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

```
.background{ background-color: rgb(127,  
206, 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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