

Converting Colors

XYZ(47.7292, 53.4719,
102.4133)

Have a look what the booklet for
XYZ(47.7292, 53.4719, 102.4133)
contains.

XYZ(47.8387, 53.5825, 102.4288)	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(47.8387, 53.5825,
102.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	80C9FF
RGB	128, 201, 255
RGB Percent	50%, 79%, 100%
CMY	0.4980, 0.2118, 0.0000
CMYK	0.50, 0.21, 0.00, 0.00
HSL	206°, 100%, 75%
HSV	206°, 50%, 100%
XYZ	47.8387, 53.5825, 102.4288
YIQ	185.3290, -60.8420, 1.3180

Conversions

Conversions Part 2

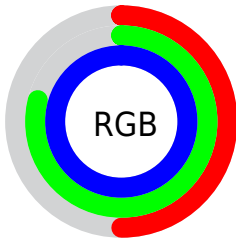
Format	Color
R_{YB}	128, 174, 255
Decimal	8440319
CIE Lab	78.22, -8.38, -33.52
CIE LCh	78, 34.556, 255.957
Yxy	53.5825, 0.2347, 0.2629
Android (android.graphics.Color)	4286630399 (0xFF80C9FF)
YUV	185.3290, 34.3478, -50.2775
Hunter-Lab	73.2001, -11.4444, -31.7244

Details

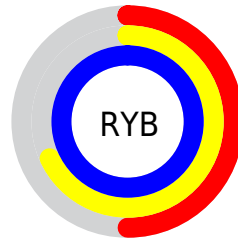
The XYZ color **47.8387, 53.5825, 102.4288** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.8651, 56.2755, 28.0256**, and the grayscale version is **46.1377, 48.5405, 52.8606**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.9415, 26.1379, 57.2621** is the 20% darker color. If you saturate the color by 10%, you get **42.0353, 46.9710, 101.4586**, and if you desaturate by 10%, it is **54.7874, 61.0514, 103.5042**.

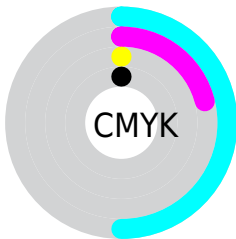
Distribution



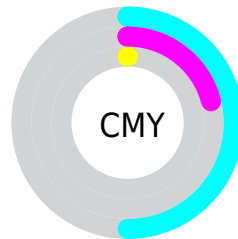
- Red (50%)
- Green (79%)
- Blue (100%)



- Red (50%)
- Yellow (68%)
- Blue (100%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8387, 53.5825, 102.4288 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 47.8387, 53.5825, 102.4288 by changing the saturation by 10% instead.

47.8387, 53.5825,
102.4288

47.8387, 53.5825,
102.4288

368.7457,
400.5160, 589.2649

33.9099, 38.2680,
77.7023

86.1753, 95.4610,
166.5718

22.9869, 26.1907,
57.3145

111.3139,
122.7937, 206.8255

14.7045, 16.9664,
40.8467

140.9197,
154.9013, 253.0919

8.6972, 10.2105,
27.8806

175.3582,
192.1681, 305.7897

4.5997, 5.5388,
17.9974

214.9947,
234.9786, 365.3373

2.0467, 2.5667,
10.7787

260.1945,

0.6600, 0.9100,

283.7172, 432.1534

5.8059

311.3230,
338.7681, 506.6564

■ 0.0000, 0.0000,
2.6606

■ 0.0000, 0.0000,
0.9235

■ 47.8387, 53.5825,
102.4288

■ 47.8387, 53.5825,
102.4288

■ 42.0353, 46.9710,
101.4586

■ 54.7874, 61.0514,
103.5042

■ 37.2950, 41.1660,
100.5879

■ 62.9461, 69.4131,
104.6882

■ 33.5316, 36.1184,
99.8120

■ 72.3799, 78.7074,
105.9850

■ 30.6406, 31.7687,
99.1248

■ 83.1478, 88.9697,
107.3983

■ 28.4576, 28.0259, 95.0500, 100.0000,
98.5174 108.9000

■ 28.4180, 27.9560,
98.5060

Harmonies

Analogous

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



42.4147, 53.5825, 89.4068



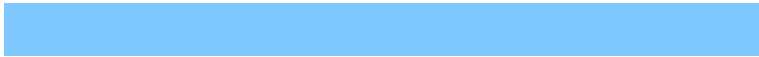
47.8387, 53.5825, 102.4288



54.5869, 53.5825, 101.9610

Triad

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



47.8387, 53.5825, 102.4288



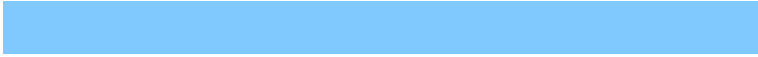
64.4786, 53.5825, 48.6933



42.1434, 53.5825, 36.0975

Complementary

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



47.8387, 53.5825, 102.4288



61.8651, 56.2755, 28.0256

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.



47.4374, 53.5825, 29.3669



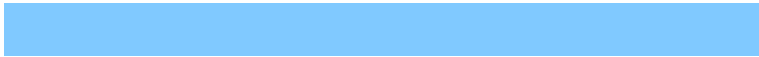
47.8387, 53.5825, 102.4288



60.5116, 53.5825, 35.4626

Square

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



47.8387, 53.5825, 102.4288



64.6103, 53.5825, 67.8510



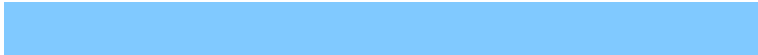
54.1487, 53.5825, 29.1636



39.3290, 53.5825, 49.7662

Rectangle

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



47.8387, 53.5825, 102.4288



58.9500, 53.5825, 93.9677



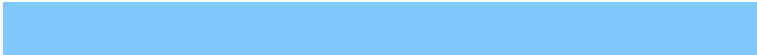
54.1487, 53.5825, 29.1636



43.6700, 53.5825, 33.0958

Sweetspot

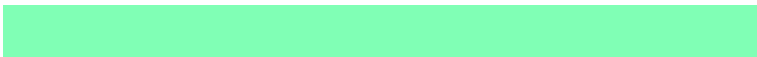
The Sweet Spot groups the original color and five complimentary colors.



47.8403, 53.5844, 102.4291



77.3804, 83.5122, 106.6488



52.9952, 79.4425, 56.2138



16.0845, 17.4176, 22.7641



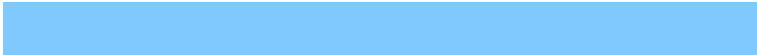
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.8403, 53.5844, 102.4291



41.9312, 46.8483, 101.4403



36.1261, 30.1559, 98.5244



17.8701, 19.1117, 22.9970



15.0002, 14.9099, 51.5219



1.5689, 1.6684, 5.0526

Inverse Universe

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



59.5029, 40.9170, 60.0219



55.2797, 34.4781, 52.4256



77.6130, 87.7713, 33.2749



18.4471, 18.1621, 20.9713



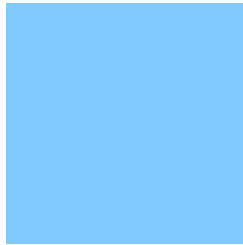
24.3596, 12.2331, 15.8099



2.4265, 1.2130, 1.8273

Previews

White Background



This preview shows how the XYZ color 47.8387, 53.5825, 102.4288 looks on a white background.

Color Contrast Check

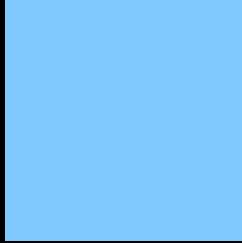
Large Text (above 18pt) WCAG AA × Fail

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 47.8387, 53.5825, 102.4288 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

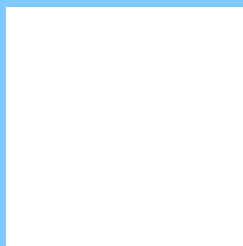
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8387, 53.5825, 102.4288

Background



This preview shows how black text looks on a background with the XYZ color 47.8387, 53.5825, 102.4288.



This preview shows how white text looks on a background with the XYZ color 47.8387, 53.5825,

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

47.8387, 53.5825, 102.4288

Protanopia

53.5621, 53.0073, 95.4041

Deuteranopia

54.3680, 53.2770, 102.0257



Tritanopia

43.1033, 53.8049, 77.9256

Trichromacy



Original Color

47.8387, 53.5825, 102.4288

Protanomaly

51.0443, 52.9593, 97.9743

Deuteranomaly

51.6399, 53.1745, 102.1497

Tritanomaly

44.8528, 53.7984, 86.6174

Monochromacy



Original Color

47.8387, 53.5825, 102.4288

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5735, 49.8073, 68.1845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8387, 53.5825, 102.4288 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(128, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 201, 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(128, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8387, 53.5825, 102.4288 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(128, 201, 255) }
```


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

```
.border{ border-color:rgb(128, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8387, 53.5825, 102.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 201, 255) }
```

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

```
.background{ background-color: rgb(128,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor