

Converting Colors

XYZ(48.0630, 48.8467,
102.2169)

Have a look what the booklet for
XYZ(48.0630, 48.8467, 102.2169)
contains.

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Color

**XYZ(47.8216, 48.6337,
101.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	94BAFF
RGB	148, 186, 255
RGB Percent	58%, 73%, 100%
CMY	0.4196, 0.2706, 0.0000
CMYK	0.42, 0.27, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 42%, 100%
XYZ	47.8216, 48.6337, 101.4745
YIQ	182.5040, -44.7970, 13.4030

Conversions

Conversions Part 2

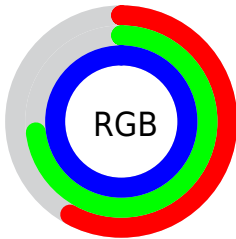
Format	Color
RYB	148, 176, 255
Decimal	9747199
CIELab	75.22, 4.48, -38.08
CIELCh	75, 38.338, 276.705
Yxy	48.6337, 0.2416, 0.2457
Android (android.graphics.Color)	4287937279 (0xFF94BAFF)
YUV	182.5040, 35.7405, -30.2600
Hunter-Lab	69.7379, 0.3622, -37.4555

Details

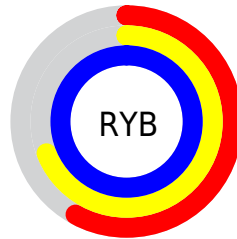
The XYZ color **47.8216, 48.6337, 101.4745** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.3988, 73.0246, 38.3508**, and the grayscale version is **44.5681, 46.8891, 51.0622**.

A 20% lighter version of the original color is **74.9790, 83.7034, 106.8123**, and **22.9942, 23.1276, 56.6782** is the 20% darker color. If you saturate the color by 10%, you get **40.4399, 39.9790, 100.1930**, and if you desaturate by 10%, it is **56.6209, 58.6130, 102.9369**.

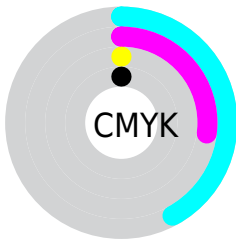
Distribution



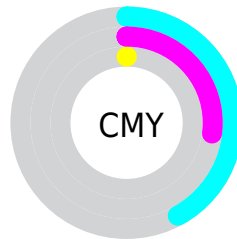
- Red (58%)
- Green (73%)
- Blue (100%)



- Red (58%)
- Yellow (69%)
- Blue (100%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8216, 48.6337, 101.4745 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 47.8216, 48.6337, 101.4745 by changing the saturation by 10% instead.

■ 47.8216, 48.6337,
101.4745

■ 47.8216, 48.6337,
101.4745

368.6789,
381.2985, 586.1968

■ 33.8963, 34.3290,
76.9088

■ 86.1500, 88.1472,
165.2515

■ 22.9765, 23.1465,
56.6669

■ 111.2839,
114.1247, 205.2999

■ 14.6967, 14.7017,
40.3303

140.8846,
144.7620, 251.3463

■ 8.6917, 8.6103,
27.4804

175.3175,
180.4435, 303.8092

■ 4.5962, 4.4879,
17.6987

214.9481,
221.5534, 363.1072

■ 2.0446, 1.9500,
10.5667

260.1416,

■ 0.6588, 0.5782,

268.4763, 429.6587

5.6658

311.2634,
321.5966, 503.8824

■ 0.0000, 0.0000,
2.5775

■ 0.0000, 0.0000,
0.8808

■ 47.8216, 48.6337,
101.4745

■ 47.8216, 48.6337,
101.4745

■ 40.4399, 39.9790,
100.1930

■ 56.6209, 58.6130,
102.9369

■ 34.3904, 32.5819,
99.0841

■ 66.9074, 69.9688,
104.5867

■ 29.5847, 26.3768,
98.1397

■ 78.7513, 82.7565,
106.4307

■ 25.9208, 21.2887,
97.3507

■ 92.2168, 97.0266,
108.4754

■ 23.2774, 17.2312,
96.7068

95.0500, 100.0000,
108.9000

■ 21.7537, 14.6274,
96.2846

Harmonies

Analogous

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



41.0812, 48.6337, 97.0780



47.8216, 48.6337, 101.4745



54.7865, 48.6337, 90.4619

Triad

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



47.8216, 48.6337, 101.4745



57.9346, 48.6337, 33.0172



34.8849, 48.6337, 39.0687

Complementary

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



47.8216, 48.6337, 101.4745



71.3988, 73.0246, 38.3508

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.



38.6052, 48.6337, 27.5800



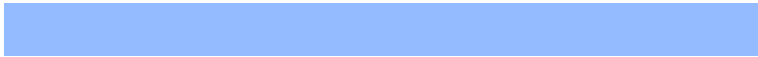
47.8216, 48.6337, 101.4745



51.7809, 48.6337, 24.7556

Square

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



47.8216, 48.6337, 101.4745



60.9959, 48.6337, 48.5600



44.6641, 48.6337, 23.0542



34.0546, 48.6337, 57.6050

Rectangle

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



47.8216, 48.6337, 101.4745



58.4727, 48.6337, 77.1826



44.6641, 48.6337, 23.0542



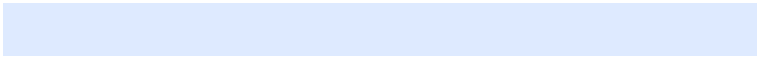
35.8192, 48.6337, 34.4140

Sweetspot

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



47.8231, 48.6354, 101.4748



77.4439, 81.3571, 106.2295



60.3383, 82.7622, 77.6033



15.9952, 16.7900, 22.6477



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.



47.8231, 48.6354, 101.4748



41.7786, 41.5736, 100.4303



43.5959, 36.1109, 99.2801



17.5308, 18.4332, 22.8839



11.4939, 7.8973, 50.3531



1.2176, 0.9659, 4.9355

Inverse Universe

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



60.6939, 45.9865, 52.1335



56.4157, 39.5769, 44.0897



77.2905, 92.3122, 41.7632



18.2758, 18.0936, 20.0696



22.5898, 11.5252, 6.4902



2.2492, 1.1421, 0.8937

Previews

White Background



This preview shows how the XYZ color 47.8216, 48.6337, 101.4745 looks on a white background.

Color Contrast Check

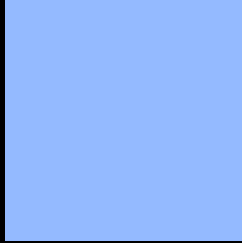
Large Text (above 18pt) WCAG AA × Fail

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 47.8216, 48.6337, 101.4745 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

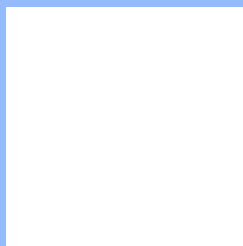
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8216, 48.6337, 101.4745

Background



This preview shows how black text looks on a background with the XYZ color 47.8216, 48.6337, 101.4745.



This preview shows how white text looks on a background with the XYZ color 47.8216, 48.6337,

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

47.8216, 48.6337, 101.4745

Protanopia

49.6085, 48.3767, 98.8184

Deuteranopia

49.8838, 48.7684, 101.3918



Tritanopia

41.0780, 48.4710, 68.1636

Trichromacy



Original Color

47.8216, 48.6337, 101.4745

Protanomaly

48.7637, 48.2279, 99.6673

Deuteranomaly

49.0951, 48.6691, 101.4142

Tritanomaly

43.1735, 48.3280, 79.0043

Monochromacy



Original Color

47.8216, 48.6337, 101.4745

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2267, 47.4305, 67.0929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8216, 48.6337, 101.4745 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(148, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 186, 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(148, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8216, 48.6337, 101.4745 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(148, 186, 255) }
```


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

```
.border{ border-color:rgb(148, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8216, 48.6337, 101.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 186, 255) }
```

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

```
.background{ background-color: rgb(148,  
186, 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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