

Converting Colors

XYZ(48.0021, 53.0933, 87.7187)

Have a look what the booklet for
XYZ(48.0021, 53.0933, 87.7187)
contains.

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Color

**XYZ(47.8746, 52.8922,
87.8067)**

Conversions

Conversions Part 1

Format	Color
Hex	95C6ED
RGB	149, 198, 237
RGB Percent	58%, 78%, 93%
CMY	0.4157, 0.2235, 0.0706
CMYK	0.37, 0.16, 0.00, 0.07
HSL	207°, 71%, 76%
HSV	207°, 37%, 93%
XYZ	47.8746, 52.8922, 87.8067
YIQ	187.7950, -41.7230, 1.7410

Conversions

Conversions Part 2

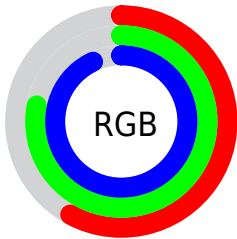
Format	Color
RYB	149, 180, 237
Decimal	9815789
CIELab	77.81, -6.53, -24.42
CIELCh	78, 25.275, 255.018
Yxy	52.8922, 0.2539, 0.2805
Android (android.graphics.Color)	4288005869 (0xFF95C6ED)
YUV	187.7950, 24.2581, -34.0232
Hunter-Lab	72.7270, -9.7697, -20.6746

Details

The XYZ color **47.8746, 52.8922, 87.8067** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3341, 56.1419, 36.1973**, and the grayscale version is **47.5688, 50.0461, 54.5002**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **22.9298, 25.6624, 47.4609** is the 20% darker color. If you saturate the color by 10%, you get **41.6648, 46.2508, 86.8530**, and if you desaturate by 10%, it is **55.1341, 60.3243, 88.8596**.

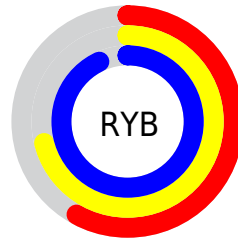
Distribution



Red (58%)

Green (78%)

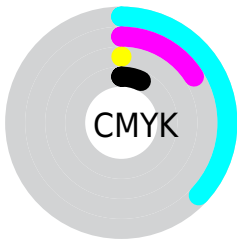
Blue (93%)



Red (58%)

Yellow (71%)

Blue (93%)

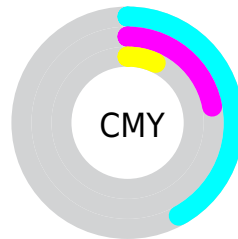


Cyan (37%)

Magenta (16%)

Yellow (0%)

Black (7%)



Cyan (42%)

Magenta (22%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8746, 52.8922, 87.8067 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 47.8746, 52.8922, 87.8067 by changing the saturation by 10% instead.

■ 47.8746, 52.8922,
87.8067

■ 47.8746, 52.8922,
87.8067

368.8857,
397.8714, 541.2549

■ 33.9384, 37.7167,
65.5996

■ 86.2285, 94.4457,
146.1968

■ 23.0090, 25.7629,
47.4930

■ 111.3769,
121.5926, 183.2168

■ 14.7209, 16.6463,
33.0684

140.9935,
153.4986, 226.0116

■ 8.7088, 9.9827,
21.9073

175.4435,
190.5483, 274.9996

■ 4.6073, 5.3875,
13.5911

215.0924,
233.1261, 330.5994

■ 2.0511, 2.4763,
7.7014

260.3055,

■ 0.6624, 0.8648,

281.6162, 393.2295

3.8194

311.4482,
336.4032, 463.3085

■ 0.0000, 0.0000,
1.5268

■ 0.0000, 0.0000,
0.2378

■ 47.8746, 52.8922,
87.8067

■ 47.8746, 52.8922,
87.8067

■ 41.6648, 46.2508,
86.8530

■ 55.1341, 60.3243,
88.8596

■ 36.4425, 40.3594,
85.9911

■ 63.4906, 68.5727,
90.0112

■ 32.1465, 35.1826,
85.2183

■ 72.9945, 77.6694,
91.2661

■ 28.7055, 30.6783,
84.5303

■ 83.6915, 87.6423,
92.6273

■ 26.0366, 26.7984,
83.9220

■ 90.8734, 96.0689,
93.8753

■ 24.0333, 23.4821,
83.3875

■ 92.2862, 98.8945,
94.3462

■ 23.5334, 22.6088,
83.2453

Harmonies

Analogous

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



43.8987, 52.8922, 78.8763



47.8746, 52.8922, 87.8067



52.7551, 52.8922, 87.8008

Triad

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



47.8746, 52.8922, 87.8067



59.9384, 52.8922, 50.8740



43.8948, 52.8922, 40.5363

Complementary

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



47.8746, 52.8922, 87.8067



58.3341, 56.1419, 36.1973

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.



47.8690, 52.8922, 35.2519



47.8746, 52.8922, 87.8067



57.2351, 52.8922, 40.5267

Square

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



47.8746, 52.8922, 87.8067



59.9401, 52.8922, 64.8558



52.7491, 52.8922, 35.2487



41.7046, 52.8922, 50.8893

Rectangle

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



47.8746, 52.8922, 87.8067



55.8785, 52.8922, 82.6521



52.7491, 52.8922, 35.2487



45.0545, 52.8922, 38.1886

Sweetspot

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



47.8763, 52.8942, 87.8079



81.6346, 87.3864, 107.1724



51.6639, 70.5527, 57.9852



17.1446, 18.3902, 22.8960



0.0000, 0.0000, 0.0000



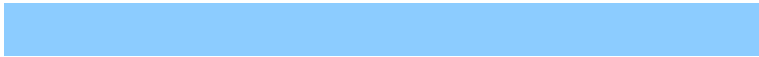
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8763, 52.8942, 87.8079



50.5351, 56.0726, 102.7674



39.3812, 35.9040, 84.9762



14.9268, 15.9401, 19.2123



12.9813, 12.6096, 45.4927



1.1150, 1.1815, 3.6042

Inverse Universe

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



55.8670, 43.5783, 58.8952



61.5713, 44.4560, 62.5546



68.9642, 77.4020, 39.7407



15.4166, 15.1945, 17.4792



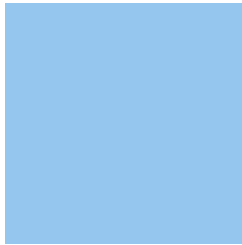
21.4077, 10.7658, 13.2140



1.7293, 0.8647, 1.2919

Previews

White Background



This preview shows how the XYZ color 47.8746, 52.8922, 87.8067 looks on a white background.

Color Contrast Check

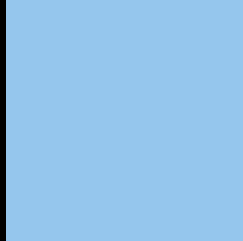
Large Text (above 18pt) WCAG AA × Fail

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 47.8746, 52.8922, 87.8067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

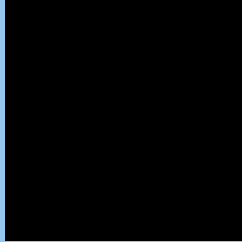
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8746, 52.8922, 87.8067

Background



This preview shows how black text looks on a background with the XYZ color 47.8746, 52.8922, 87.8067.



This preview shows how white text looks on a background with the XYZ color 47.8746, 52.8922,

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

47.8746, 52.8922, 87.8067

Protanopia

52.3657, 52.6637, 83.0064

Deuteranopia

53.8129, 52.6375, 88.9852



Tritanopia

45.0431, 52.7645, 74.1402

Trichromacy



Original Color

47.8746, 52.8922, 87.8067

Protanomaly

50.5725, 52.6810, 84.5938

Deuteranomaly

51.5158, 52.7566, 88.3568

Tritanomaly

46.0989, 52.8558, 79.0067

Monochromacy



Original Color

47.8746, 52.8922, 87.8067

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4458, 51.1542, 65.7656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8746, 52.8922, 87.8067 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(149, 198, 237)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 237)  
}
```

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(149, 198, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 237) }
```

Border

The CSS property to change the border of an element to XYZ 47.8746, 52.8922, 87.8067 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(149, 198, 237) }
```


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

```
.border{ border-color:rgb(149, 198, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 237);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8746, 52.8922, 87.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 237) }
```

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

```
.background{ background-color: rgb(149,  
198, 237) }
```

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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