

Converting Colors

XYZ(47.8923, 54.3184, 86.0686)

Have a look what the booklet for
XYZ(47.8923, 54.3184, 86.0686)
contains.

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Color

**XYZ(47.8259, 54.2926,
85.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	92CAEA
RGB	146, 202, 234
RGB Percent	57%, 79%, 92%
CMY	0.4274, 0.2078, 0.0823
CMYK	0.38, 0.14, 0.00, 0.08
HSL	202°, 68%, 75%
HSV	202°, 38%, 92%
XYZ	47.8259, 54.2926, 85.8007
YIQ	188.9040, -43.6480, -1.9200

Conversions

Conversions Part 2

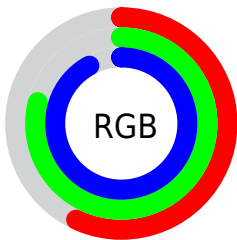
Format	Color
R _Y B	146, 180, 234
Decimal	9620202
CIE Lab	78.63, -10.21, -21.57
CIE LCh	79, 23.865, 244.680
Yxy	54.2926, 0.2545, 0.2889
Android (android.graphics.Color)	4287810282 (0xFF92CAEA)
YUV	188.9040, 22.2323, -37.6268
Hunter-Lab	73.6835, -13.0868, -17.4617

Details

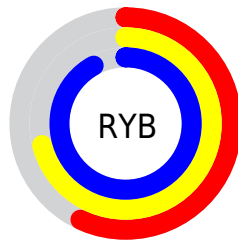
The XYZ color **47.8259, 54.2926, 85.8007** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.0414, 51.4095, 34.2178**, and the grayscale version is **48.2112, 50.7219, 55.2362**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **22.9402, 26.6183, 46.0483** is the 20% darker color. If you saturate the color by 10%, you get **42.1428, 48.4815, 84.9795**, and if you desaturate by 10%, it is **54.4738, 60.7670, 86.7010**.

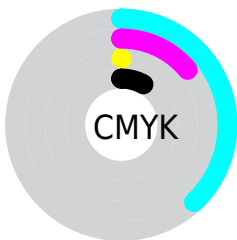
Distribution



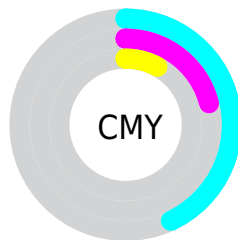
- Red (57%)
- Green (79%)
- Blue (92%)



- Red (57%)
- Yellow (71%)
- Blue (92%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (43%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8259, 54.2926, 85.8007 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 47.8259, 54.2926, 85.8007 by changing the saturation by 10% instead.

■ 47.8259, 54.2926,
85.8007

■ 47.8259, 54.2926,
85.8007

368.6957,
403.2248, 534.4873

■ 33.8997, 38.8356,
63.9492

■ 86.1564, 96.5037,
143.3754

■ 22.9791, 26.6319,
46.1636

■ 111.2914,
124.0267, 179.9357

■ 14.6987, 17.2970,
32.0254

140.8934,
156.3404, 222.2361

■ 8.6931, 10.4464,
21.1159

175.3278,
193.8294, 270.6950

■ 4.5971, 5.6960,
13.0167

214.9598,
236.8779, 325.7311

■ 2.0451, 2.6611,
7.3092

260.1549,

■ 0.6591, 0.9575,

285.8703, 387.7628

3.5748

311.2784,
341.1912, 457.2087

■ 0.0000, 0.0000,
1.3951

■ 0.0000, 0.0000,
0.1379

■ 47.8259, 54.2926,
85.8007

■ 47.8259, 54.2926,
85.8007

■ 42.1428, 48.4815,
84.9795

■ 54.4738, 60.7670,
86.7010

■ 37.3654, 43.2968,
84.2306

■ 62.1309, 67.9264,
87.6793

■ 33.4355, 38.7073,
83.5518

■ 70.8450, 75.7992,
88.7396

■ 30.2853, 34.6751,
82.9396

■ 80.6591, 84.4099,
89.8844

■ 27.8356, 31.1566,
82.3896

■ 88.6071, 92.2319,
90.9753

■ 25.9803, 28.0942,
81.8962

■ 91.2345, 97.4866,
91.8511

■ 25.5852, 27.4082,
81.7846

■ 91.8515, 98.7206,
92.0567

Harmonies

Analogous

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



44.5076, 54.2926, 75.1378



47.8259, 54.2926, 85.8007



52.3460, 54.2926, 88.9215

Triad

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



47.8259, 54.2926, 85.8007



61.1676, 54.2926, 57.0241



46.6194, 54.2926, 40.2465

Complementary

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



47.8259, 54.2926, 85.8007



55.0414, 51.4095, 34.2178

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.



50.8680, 54.2926, 36.8474



47.8259, 54.2926, 85.8007



59.4161, 54.2926, 45.5499

Square

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



47.8259, 54.2926, 85.8007



60.2316, 54.2926, 70.9179



55.5749, 54.2926, 38.6307



43.8414, 54.2926, 48.7009

Rectangle

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



47.8259, 54.2926, 85.8007



55.4786, 54.2926, 85.9578



55.5749, 54.2926, 38.6307



47.9131, 54.2926, 38.5386

Sweetspot

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



47.8276, 54.2947, 85.8020



82.3049, 88.7269, 107.3958



49.1941, 68.1242, 52.0486



17.3045, 18.7100, 22.9493



0.0000, 0.0000, 0.0000



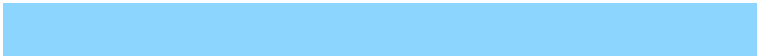
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8276, 54.2947, 85.8020



52.7708, 60.5439, 103.5126



39.1394, 36.9183, 82.9059



15.0304, 16.1473, 19.2468



14.5011, 15.6492, 45.9993



1.2296, 1.4107, 3.6424

Inverse Universe

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



54.8727, 42.3161, 61.1551



62.6998, 44.9074, 68.4970



64.9248, 71.1763, 37.5122



15.4689, 15.2154, 17.7546



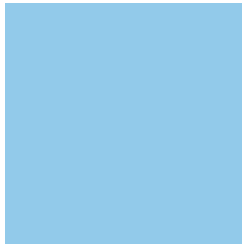
22.1748, 11.0726, 17.2535



1.7871, 0.8878, 1.5965

Previews

White Background



This preview shows how the XYZ color 47.8259, 54.2926, 85.8007 looks on a white background.

Color Contrast Check

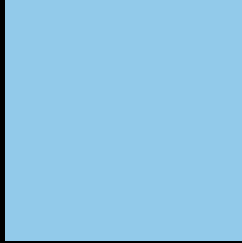
Large Text (above 18pt) WCAG AA × Fail

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 47.8259, 54.2926, 85.8007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

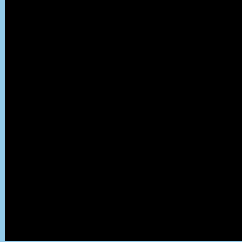
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8259, 54.2926, 85.8007

Background



This preview shows how black text looks on a background with the XYZ color 47.8259, 54.2926, 85.8007.



This preview shows how white text looks on a background with the XYZ color 47.8259, 54.2926,

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

47.8259, 54.2926, 85.8007

Protanopia

53.2083, 53.8101, 80.2551

Deuteranopia

55.1854, 54.0177, 87.6386



Tritanopia

45.9717, 54.2458, 76.4541

Trichromacy



Original Color

47.8259, 54.2926, 85.8007

Protanomaly

51.0361, 53.9637, 82.5891

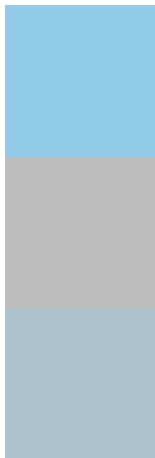
Deuteranomaly

52.1113, 53.7537, 86.9858

Tritanomaly

46.5850, 54.1322, 79.9448

Monochromacy



Original Color

47.8259, 54.2926, 85.8007

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.5448, 51.8756, 65.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8259, 54.2926, 85.8007 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(146, 202, 234)` looks like.

```
.text, #text, p{  
    color:rgb(146, 202, 234)  
}
```

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(146, 202, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 202, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.8259, 54.2926, 85.8007 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(146, 202, 234) }
```


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

```
.border{ border-color:rgb(146, 202, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 202, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 202, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 202, 234);  
box-shadow:4px 4px 4px 4px rgb(146, 202,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8259, 54.2926, 85.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 202, 234) }
```

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

```
.background{ background-color: rgb(146,  
202, 234) }
```

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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