

Converting Colors

XYZ(49.7394, 50.8098, 95.3598)

Have a look what the booklet for
XYZ(49.7394, 50.8098, 95.3598)
contains.

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Color

**XYZ(49.6840, 50.6877,
95.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	A1BDF7
RGB	161, 189, 247
RGB Percent	63%, 74%, 97%
CMY	0.3686, 0.2588, 0.0314
CMYK	0.35, 0.23, 0.00, 0.03
HSL	220°, 84%, 80%
HSV	220°, 35%, 97%
XYZ	49.6840, 50.6877, 95.1608
YIQ	187.2400, -35.3060, 12.1020

Conversions

Conversions Part 2

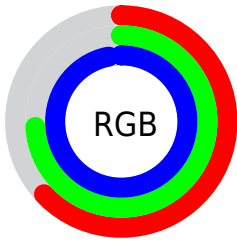
Format	Color
RYB	161, 182, 247
Decimal	10599927
CIELab	76.49, 4.11, -31.75
CIELCh	76, 32.019, 277.382
Yxy	50.6877, 0.2541, 0.2592
Android (android.graphics.Color)	4288790007 (0xFFA1BDF7)
YUV	187.2400, 29.4617, -23.0125
Hunter-Lab	71.1953, -0.0246, -29.4113

Details

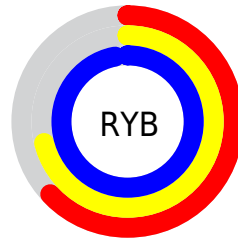
The XYZ color **49.6840, 50.6877, 95.1608** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.1232, 73.0112, 44.1164**, and the grayscale version is **47.2241, 49.6834, 54.1052**.

A 20% lighter version of the original color is **79.6158, 87.4302, 107.2873**, and **24.0423, 24.3902, 52.1558** is the 20% darker color. If you saturate the color by 10%, you get **41.8098, 41.6120, 93.8249**, and if you desaturate by 10%, it is **58.9563, 61.0973, 96.6823**.

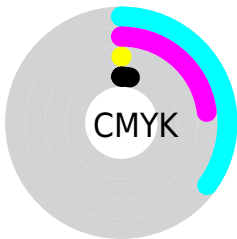
Distribution



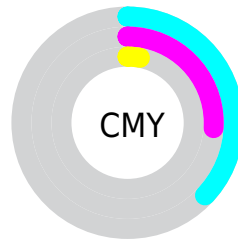
- Red (63%)
- Green (74%)
- Blue (97%)



- Red (63%)
- Yellow (71%)
- Blue (97%)



- Cyan (35%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)



- Cyan (37%)
- Magenta (26%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6840, 50.6877, 95.1608 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 49.6840, 50.6877, 95.1608 by changing the saturation by 10% instead.

■ 49.6840, 50.6877,
95.1608

■ 49.6840, 50.6877,
95.1608

375.9013,
389.3492, 565.6771

■ 35.3791, 35.9601,
71.6712

■ 88.9011, 91.1930,
156.4842

■ 24.1230, 24.4034,
52.4049

■ 114.5441,
117.7395, 195.1551

■ 15.5501, 15.6331,
36.9435

144.6972,
148.9944, 239.7235

■ 9.2952, 9.2649,
24.8683

179.7257,
185.3421, 290.6080

■ 4.9929, 4.9144,
15.7608

219.9950,
227.1671, 348.2270

■ 2.2778, 2.1971,
9.2025

265.8705,

■ 0.7833, 0.7184,

274.8537, 412.9992

4.7749

317.7175,
328.7862, 485.3431

■ 0.0000, 0.0000,
2.0594

■ 0.0000, 0.0000,
0.5914

■ 49.6840, 50.6877,
95.1608

■ 49.6840, 50.6877,
95.1608

■ 41.8098, 41.6120,
93.8249

■ 58.9563, 61.0973,
96.6823

■ 35.2565, 33.8065,
92.6637

■ 69.6883, 72.8889,
98.3926

■ 29.9471, 27.2109,
91.6705

■ 81.9438, 86.1151,
100.2996

■ 25.7933, 21.7568,
90.8366

■ 93.7887, 99.4955,
102.2580

■ 22.6944, 17.3674,
90.1527

■ 20.5288, 13.9536,
89.6080

■ 19.6883, 12.5148,
89.3745

Harmonies

Analogous

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



43.8492, 50.6877, 91.9179



49.6840, 50.6877, 95.1608



55.5740, 50.6877, 86.0461

Triad

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



49.6840, 50.6877, 95.1608



58.0023, 50.6877, 37.3669



38.2365, 50.6877, 43.3665

Complementary

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



49.6840, 50.6877, 95.1608



70.1232, 73.0112, 44.1164

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.



41.4676, 50.6877, 32.7641



49.6840, 50.6877, 95.1608



52.7809, 50.6877, 29.8387

Square

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



49.6840, 50.6877, 95.1608



60.6305, 50.6877, 51.0282



46.7011, 50.6877, 28.3500



37.5577, 50.6877, 59.5727

Rectangle

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



49.6840, 50.6877, 95.1608



58.6309, 50.6877, 75.1203



46.7011, 50.6877, 28.3500



39.0463, 50.6877, 39.1395

Sweetspot

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



49.6857, 50.6897, 95.1620



81.0400, 84.9946, 106.7421



60.6586, 79.1792, 78.6460



16.9535, 17.7682, 22.7860



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.



49.6857, 50.6897, 95.1620



47.1310, 47.2792, 101.2495



47.2889, 41.3593, 93.4874



16.0217, 16.8078, 20.9424



10.5268, 6.8475, 47.3049



1.0149, 0.7811, 4.1875

Inverse Universe

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



60.2893, 48.9396, 54.4149



60.3376, 45.8178, 50.3385



73.1905, 86.3634, 46.5320



16.7215, 16.5715, 18.2803



21.1180, 10.7906, 5.3296



1.9013, 0.9665, 0.7067

Previews

White Background



This preview shows how the XYZ color 49.6840, 50.6877, 95.1608 looks on a white background.

Color Contrast Check

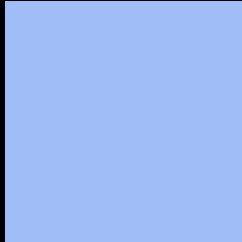
Large Text (above 18pt) WCAG AA × Fail

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 49.6840, 50.6877, 95.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

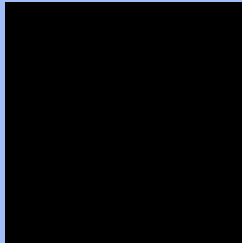
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

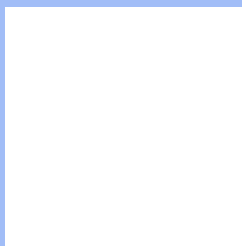
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6840, 50.6877, 95.1608

Background



This preview shows how black text looks on a background with the XYZ color 49.6840, 50.6877, 95.1608.



This preview shows how white text looks on a background with the XYZ color 49.6840, 50.6877,

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

49.6840, 50.6877, 95.1608

Protanopia

51.2739, 50.5946, 93.4495

Deuteranopia

51.7478, 50.4739, 95.8220



Tritanopia

44.6347, 50.9553, 69.1109

Trichromacy



Original Color

49.6840, 50.6877, 95.1608

Protanomaly

50.7671, 50.6295, 94.2855

Deuteranomaly

50.8644, 50.3301, 95.8408

Tritanomaly

46.2348, 50.5897, 77.8490

Monochromacy



Original Color

49.6840, 50.6877, 95.1608

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.8519, 50.0349, 67.4572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6840, 50.6877, 95.1608 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(161, 189, 247)` looks like.

```
.text, #text, p{  
    color:rgb(161, 189, 247)  
}
```

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(161, 189, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 189, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.6840, 50.6877, 95.1608 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(161, 189, 247) }
```


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

```
.border{ border-color:rgb(161, 189, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 189, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 189, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 189, 247);  
box-shadow:4px 4px 4px 4px rgb(161, 189,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6840, 50.6877, 95.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 189, 247) }
```

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

```
.background{ background-color: rgb(161,  
189, 247) }
```

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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