

Converting Colors

XYZ(49.9564, 61.2977, 92.4103)

Have a look what the booklet for
XYZ(49.9564, 61.2977, 92.4103)
contains.

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Color

**XYZ(49.8507, 61.0829,
92.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	80DAF1
RGB	128, 218, 241
RGB Percent	50%, 85%, 95%
CMY	0.4980, 0.1451, 0.0549
CMYK	0.47, 0.10, 0.00, 0.05
HSL	192°, 80%, 72%
HSV	192°, 47%, 95%
XYZ	49.8507, 61.0829, 92.3819
YIQ	193.7120, -61.0230, -11.9270

Conversions

Conversions Part 2

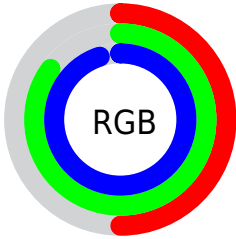
Format	Color
R_{YB}	128, 178, 241
Decimal	8444657
CIE _{Lab}	82.42, -21.01, -19.64
CIE _{LCh}	82, 28.765, 223.070
Yxy	61.0829, 0.2452, 0.3004
Android (android.graphics.Color)	4286634737 (0xFF80DAF1)
YUV	193.7120, 23.3130, -57.6294
Hunter-Lab	78.1556, -22.9179, -15.3734

Details

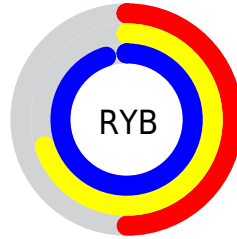
The XYZ color **49.8507, 61.0829, 92.3819** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **51.2398, 42.3939, 25.9061**, and the grayscale version is **51.0022, 53.6583, 58.4338**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **24.2380, 30.9261, 50.5908** is the 20% darker color. If you saturate the color by 10%, you get **45.3944, 56.9264, 91.8156**, and if you desaturate by 10%, it is **55.2093, 65.7631, 93.0039**.

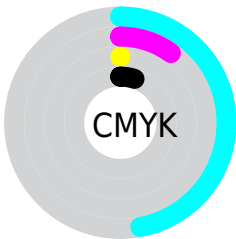
Distribution



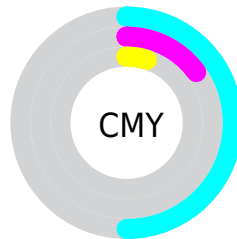
- Red (50%)
- Green (85%)
- Blue (95%)



- Red (50%)
- Yellow (70%)
- Blue (95%)



- Cyan (47%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8507, 61.0829, 92.3819 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 49.8507, 61.0829, 92.3819 by changing the saturation by 10% instead.

■ 49.8507, 61.0829,
92.3819

■ 49.8507, 61.0829,
92.3819

376.5434,
428.5779, 556.5178

■ 35.5121, 44.2921,
69.3731

■ 89.1468, 106.3990,
152.6069

■ 24.2260, 30.9002,
50.5420

■ 114.8350,
135.6930, 190.6601

■ 15.6270, 20.5229,
35.4700

■ 145.0370,
169.9235, 234.5652

■ 9.3497, 12.7757,
23.7387

180.1184,
209.4750, 284.7407

■ 5.0289, 7.2743,
14.9295

220.4443,
254.7318, 341.6052

■ 2.2992, 3.6342,
8.6239

266.3803,

■ 0.7942, 1.4711,

306.0782, 405.5772

4.4032

318.2915,
363.8988, 477.0752

■ 0.0000, 0.2683,
1.8491

■ 0.0000, 0.0000,
0.4600

■ 49.8507, 61.0829,
92.3819

■ 49.8507, 61.0829,
92.3819

■ 45.3944, 56.9264,
91.8156

■ 55.2093, 65.7631,
93.0039

■ 41.7723, 53.2541,
91.2977

■ 61.5206, 70.9894,
93.6801

■ 38.9160, 50.0315,
90.8262

■ 68.8379, 76.7911,
94.4143

■ 36.7427, 47.2154,
90.3972

■ 77.2089, 83.1934,
95.2088

■ 35.1472, 44.7512,
90.0056

■ 86.6782, 90.2195,
96.0659

■ 34.7163, 44.0287,
89.8889

■ 90.5110, 94.3982,
96.6704

■ 92.0343, 97.4448,
97.1782

■ 92.8774, 99.1310,
97.4593

Harmonies

Analogous

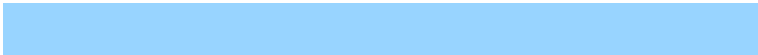
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2970, 61.0829, 74.4543



49.8507, 61.0829, 92.3819



54.6860, 61.0829, 104.3949

Triad

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



49.8507, 61.0829, 92.3819



70.1038, 61.0829, 76.8519



55.4276, 61.0829, 38.7041

Complementary

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



49.8507, 61.0829, 92.3819



51.2398, 42.3939, 25.9061

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.



61.5647, 61.0829, 39.1165



49.8507, 61.0829, 92.3819



70.3375, 61.0829, 59.1499

Square

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



49.8507, 61.0829, 92.3819



66.5012, 61.0829, 94.4018



67.1188, 61.0829, 45.9829



50.3605, 61.0829, 44.7349

Rectangle

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



49.8507, 61.0829, 92.3819



58.6922, 61.0829, 106.3208



67.1188, 61.0829, 45.9829



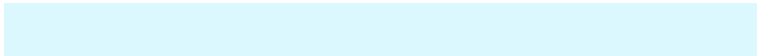
57.4273, 61.0829, 38.1301

Sweetspot

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



49.8526, 61.0852, 92.3833



80.8395, 89.2980, 107.5833



45.9124, 69.7226, 40.1480



16.8805, 18.7867, 22.9865



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.



49.8526, 61.0852, 92.3833



51.9366, 65.0360, 104.4236



37.6837, 36.7474, 88.3270



15.9583, 17.3506, 20.2295



18.9246, 24.0734, 48.7771



1.6426, 2.1391, 4.0805

Inverse Universe

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



56.6513, 39.2029, 70.9132



60.7750, 38.3800, 76.1106



62.5104, 64.9350, 29.6629



16.3084, 15.9731, 19.1801



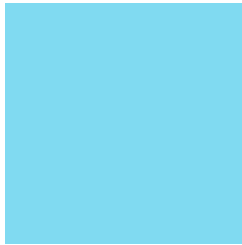
24.8779, 12.2236, 28.3372



2.1040, 1.0307, 2.5387

Previews

White Background



This preview shows how the XYZ color 49.8507, 61.0829, 92.3819 looks on a white background.

Color Contrast Check

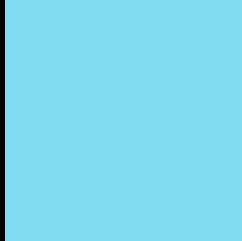
Large Text (above 18pt) WCAG AA × Fail

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 49.8507, 61.0829, 92.3819 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 49.8507, 61.0829, 92.3819

Background



This preview shows how black text looks on a background with the XYZ color 49.8507, 61.0829, 92.3819.

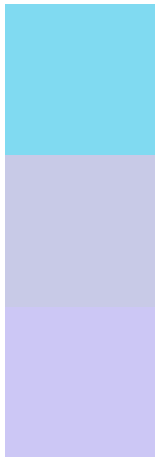


This preview shows how white text looks on a background with the XYZ color 49.8507, 61.0829,

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

49.8507, 61.0829, 92.3819

Protanopia

59.3638, 60.2899, 84.1096

Deuteranopia

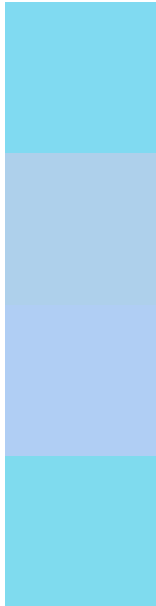
61.8067, 60.2768, 94.7632



Tritanopia

49.2242, 61.2312, 88.5813

Trichromacy



Original Color

49.8507, 61.0829, 92.3819

Protanomaly

55.0068, 60.1086, 87.3002

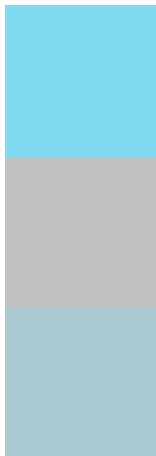
Deuteranomaly

56.3049, 59.9044, 94.1831

Tritanomaly

49.5165, 61.3481, 90.1205

Monochromacy



Original Color

49.8507, 61.0829, 92.3819

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.6914, 55.9611, 69.8106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8507, 61.0829, 92.3819 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, 218, 241)` looks like.

```
.text, #text, p{  
    color:rgb(128, 218, 241)  
}
```

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, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 218, 241) }
```

Border

The CSS property to change the border of an element to XYZ 49.8507, 61.0829, 92.3819 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, 218, 241) }
```


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

```
.border{ border-color:rgb(128, 218, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 218, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 218, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 218, 241);  
box-shadow:4px 4px 4px 4px rgb(128, 218,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8507, 61.0829, 92.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 218, 241) }
```

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

```
.background{ background-color: rgb(128,  
218, 241) }
```

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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