

Converting Colors

XYZ(49.6600, 53.5527, 78.5810)

Have a look what the booklet for
XYZ(49.6600, 53.5527, 78.5810)
contains.

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Color

**XYZ(49.7830, 53.7493,
78.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C5E0
RGB	169, 197, 224
RGB Percent	66%, 77%, 88%
CMY	0.3372, 0.2274, 0.1216
CMYK	0.25, 0.12, 0.00, 0.12
HSL	209°, 47%, 77%
HSV	209°, 25%, 88%
XYZ	49.7830, 53.7493, 78.2718
YIQ	191.7060, -25.3550, 2.4610

Conversions

Conversions Part 2

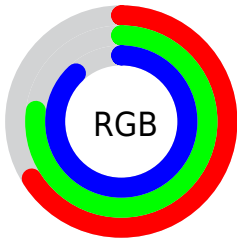
Format	Color
R _Y B	169, 188, 224
Decimal	11126240
CIE Lab	78.32, -3.49, -16.55
CIE LCh	78, 16.913, 258.095
Yxy	53.7493, 0.2738, 0.2956
Android (android.graphics.Color)	4289316320 (0xFFA9C5E0)
YUV	191.7060, 15.9209, -19.9132
Hunter-Lab	73.3139, -7.0909, -11.9798

Details

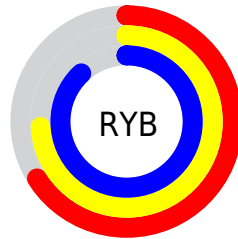
The XYZ color **49.7830, 53.7493, 78.2718** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.6426, 58.1922, 45.7317**, and the grayscale version is **49.8536, 52.4499, 57.1179**.

A 20% lighter version of the original color is **84.5431, 94.1112, 108.3171**, and **24.1864, 26.2225, 41.3228** is the 20% darker color. If you saturate the color by 10%, you get **42.9768, 46.6695, 77.2649**, and if you desaturate by 10%, it is **57.5978, 61.6221, 79.3804**.

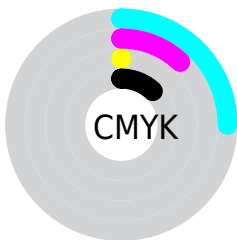
Distribution



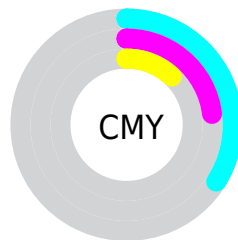
- Red (66%)
- Green (77%)
- Blue (88%)



- Red (66%)
- Yellow (74%)
- Blue (88%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7830, 53.7493, 78.2718 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 49.7830, 53.7493, 78.2718 by changing the saturation by 10% instead.

■ 49.7830, 53.7493,
78.2718

■ 49.7830, 53.7493,
78.2718

376.2828,
401.1533, 508.6418

■ 35.4581, 38.4013,
57.7795

■ 89.0470, 95.7060,
132.7226

■ 24.1841, 26.2943,
41.2179

114.7169,
123.0836, 167.5181

■ 15.5957, 17.0439,
28.1684

144.8990,
155.2397, 207.9185

■ 9.3276, 10.2658,
18.2125

179.9589,
192.5588, 254.3422

■ 5.0143, 5.5756,
10.9316

220.2619,
235.4253, 307.2079

■ 2.2905, 2.5888,
5.9073

266.1733,

■ 0.7898, 0.9210,

284.2237, 366.9340

2.7209

318.0585,
339.3382, 433.9391

■ 0.0000, 0.0000,
0.9539

■ 0.0000, 0.0000,
0.0000

■ 49.7830, 53.7493,
78.2718

■ 49.7830, 53.7493,
78.2718

■ 42.9768, 46.6695,
77.2649

■ 57.5978, 61.6221,
79.3804

■ 37.1286, 40.3469,
76.3527

■ 66.4591, 70.3090,
80.5901

■ 32.1903, 34.7520,
75.5331

■ 76.4086, 79.8382,
81.9050

■ 28.1074, 29.8508,
74.8022

■ 86.1461, 89.5446,
83.2653

■ 24.8190, 25.6053,
74.1561

■ 89.4996, 96.2516,
84.3832

■ 22.2547, 21.9728,
73.5901

■ 90.4547, 98.1619,
84.7016

■ 20.3297, 18.9026,
73.0990

■ 19.4770, 17.4265,
72.8590

Harmonies

Analogous

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



46.9457, 53.7493, 73.1935



49.7830, 53.7493, 78.2718



53.0931, 53.7493, 77.6540

Triad

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



49.7830, 53.7493, 78.2718



57.3907, 53.7493, 53.0335



46.4871, 53.7493, 47.1552

Complementary

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



49.7830, 53.7493, 78.2718



57.6426, 58.1922, 45.7317

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.



49.1322, 53.7493, 42.8258



49.7830, 53.7493, 78.2718



55.4651, 53.7493, 45.9582

Square

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



49.7830, 53.7493, 78.2718



57.5835, 53.7493, 62.3723



52.4138, 53.7493, 42.4127



45.0987, 53.7493, 54.8370

Rectangle

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



49.7830, 53.7493, 78.2718



55.1227, 53.7493, 74.1032



52.4138, 53.7493, 42.4127



47.2534, 53.7493, 45.2971

Sweetspot

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



49.7846, 53.7515, 78.2730



86.0533, 91.3067, 107.6962



52.9355, 65.7140, 61.8716



18.2602, 19.3886, 23.0299



0.0000, 0.0000, 0.0000



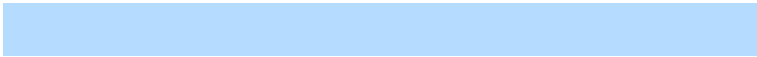
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7846, 53.7515, 78.2730



62.3710, 67.5563, 104.3601



44.1772, 42.5365, 76.4039



13.5260, 14.3912, 17.4526



11.4524, 10.3743, 42.4472



0.8834, 0.8982, 2.9721

Inverse Universe

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



55.0078, 48.2559, 59.2407



70.5207, 59.4268, 74.5644



64.3128, 71.5327, 47.9551



13.9970, 13.8164, 15.7543



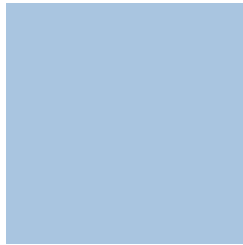
19.7208, 9.9553, 10.4616



1.4122, 0.7081, 0.9632

Previews

White Background



This preview shows how the XYZ color 49.7830, 53.7493, 78.2718 looks on a white background.

Color Contrast Check

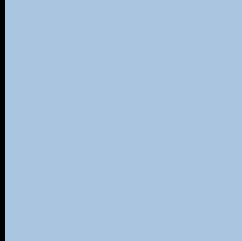
Large Text (above 18pt) WCAG AA × Fail

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 49.7830, 53.7493, 78.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

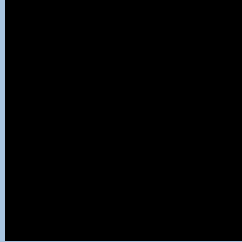
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

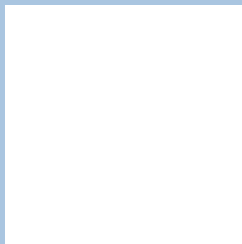
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7830, 53.7493, 78.2718

Background



This preview shows how black text looks on a background with the XYZ color 49.7830, 53.7493, 78.2718.



This preview shows how white text looks on a background with the XYZ color 49.7830, 53.7493,

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

49.7830, 53.7493, 78.2718

Protanopia

52.8870, 53.7385, 75.9917

Deuteranopia

54.9510, 53.7565, 79.4313



Tritanopia

48.4974, 53.9174, 71.4693

Trichromacy



Original Color

49.7830, 53.7493, 78.2718

Protanomaly

51.7680, 53.8026, 76.7637

Deuteranomaly

52.9338, 53.7003, 78.8095

Tritanomaly

48.9974, 53.7750, 74.1268

Monochromacy



Original Color

49.7830, 53.7493, 78.2718

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.9580, 53.1336, 64.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7830, 53.7493, 78.2718 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(169, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(169, 197, 224)  
}
```

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(169, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 197, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.7830, 53.7493, 78.2718 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(169, 197, 224) }
```


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

```
.border{ border-color:rgb(169, 197, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 197, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(169, 197,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7830, 53.7493, 78.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 197, 224) }
```

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

```
.background{ background-color: rgb(169,  
197, 224) }
```

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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