

Converting Colors

XYZ(48.6479, 53.0621, 78.2379)

Have a look what the booklet for
XYZ(48.6479, 53.0621, 78.2379)
contains.

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Color

**XYZ(48.7306, 53.2068,
78.2226)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C5E0
RGB	164, 197, 224
RGB Percent	64%, 77%, 88%
CMY	0.3569, 0.2274, 0.1216
CMYK	0.27, 0.12, 0.00, 0.12
HSL	207°, 49%, 76%
HSV	207°, 27%, 88%
XYZ	48.7306, 53.2068, 78.2226
YIQ	190.2110, -28.3350, 1.4010

Conversions

Conversions Part 2

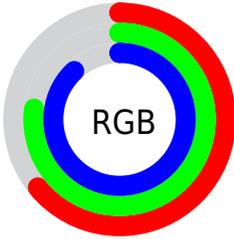
Format	Color
RYB	164, 185, 224
Decimal	10798560
CIELab	78.00, -4.98, -17.06
CIELCh	78, 17.772, 253.737
Yxy	53.2068, 0.2705, 0.2953
Android (android.graphics.Color)	4288988640 (0xFFA4C5E0)
YUV	190.2110, 16.6580, -22.9870
Hunter-Lab	72.9430, -8.4008, -12.5213

Details

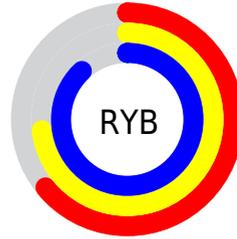
The XYZ color **48.7306, 53.2068, 78.2226** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.0728, 55.7896, 42.9363**, and the grayscale version is **48.9851, 51.5361, 56.1228**.

A 20% lighter version of the original color is **83.0070, 93.3193, 108.2452**, and **23.5394, 25.8890, 41.2925** is the 20% darker color. If you saturate the color by 10%, you get **42.2963, 46.6062, 77.2886**, and if you desaturate by 10%, it is **56.1354, 60.5375, 79.2482**.

Distribution



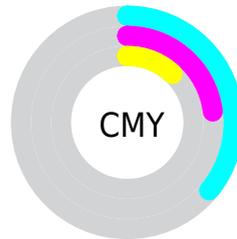
- Red (64%)
- Green (77%)
- Blue (88%)



- Red (64%)
- Yellow (73%)
- Blue (88%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (36%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7306, 53.2068, 78.2226 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 48.7306, 53.2068, 78.2226 by changing the saturation by 10% instead.

■ 48.7306, 53.2068,
78.2226

■ 48.7306, 53.2068,
78.2226

372.2154,
399.0780, 508.4704

■ 34.6195, 37.9679,
57.7393

■ 87.4943, 94.9086,
132.6526

■ 23.5350, 25.9578,
41.1858

■ 112.8777,
122.1403, 167.4364

■ 15.1119, 16.7920,
28.1435

142.7491,
154.1383, 207.8241

■ 8.9848, 10.0863,
18.1939

177.4740,
191.2871, 254.2343

■ 4.7883, 5.4562,
10.9184

217.4177,
233.9711, 307.0855

■ 2.1571, 2.5174,
5.8985

262.9456,

■ 0.7200, 0.8853,

282.5747, 366.7962

2.7157

314.4230,
337.4822, 433.7850

■ 0.0000, 0.0000,
0.9513

■ 0.0000, 0.0000,
0.0000

■ 48.7306, 53.2068,
78.2226

■ 48.7306, 53.2068,
78.2226

■ 42.2963, 46.6062,
77.2886

■ 56.1354, 60.5375,
79.2482

■ 36.7819, 40.7013,
76.4395

■ 64.5483, 68.6180,
80.3645

■ 32.1393, 35.4641,
75.6733

■ 74.0106, 77.4752,
81.5754

■ 28.3138, 30.8617,
74.9865

■ 84.5600, 87.1325,
82.8834

■ 25.2437, 26.8575,
74.3755

■ 88.0781, 93.4087,
83.9094

■ 22.8573, 23.4093,
73.8357

■ 90.4547, 98.1619,
84.7016

■ 21.0632, 20.4650,
73.3619

■ 20.5635, 19.5994,
73.2212

Harmonies

Analogous

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



45.9141, 53.2068, 72.1333



48.7306, 53.2068, 78.2226



52.1682, 53.2068, 78.4886

Triad

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



48.7306, 53.2068, 78.2226



57.3152, 53.2068, 53.5244



46.1089, 53.2068, 45.2251

Complementary

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



48.7306, 53.2068, 78.2226



56.0728, 55.7896, 42.9363

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.



49.0077, 53.2068, 41.3218



48.7306, 53.2068, 78.2226



55.5336, 53.2068, 45.7308

Square

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



48.7306, 53.2068, 78.2226



57.2326, 53.2068, 63.4362



52.4581, 53.2068, 41.4957



44.4483, 53.2068, 52.7580

Rectangle

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



48.7306, 53.2068, 78.2226



54.3581, 53.2068, 75.2714



52.4581, 53.2068, 41.4957



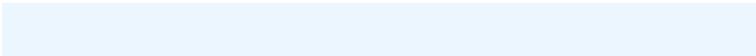
46.9649, 53.2068, 43.4855

Sweetspot

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



48.7322, 53.2089, 78.2238



85.0803, 90.6166, 107.6143



51.2609, 64.9226, 58.5460



17.8313, 19.0342, 22.9841



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.



48.7322, 53.2089, 78.2238



60.5169, 66.4394, 104.2423



42.7682, 41.2809, 76.2358



13.5739, 14.4868, 17.4685



12.0857, 11.6411, 42.6583



0.9268, 0.9850, 2.9865

Inverse Universe

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



54.0953, 46.4308, 58.9365



68.9523, 56.3775, 73.7715



63.0355, 69.7151, 45.2572



14.0211, 13.8261, 15.8814



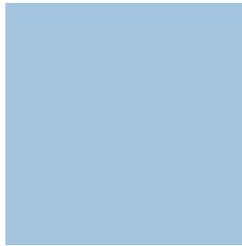
20.0405, 10.0832, 12.1451



1.4340, 0.7169, 1.0785

Previews

White Background



This preview shows how the XYZ color 48.7306, 53.2068, 78.2226 looks on a white background.

Color Contrast Check

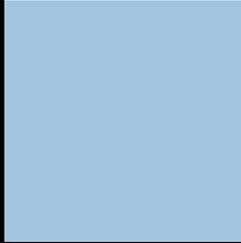
Large Text (above 18pt) WCAG AA × Fail

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 48.7306, 53.2068, 78.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

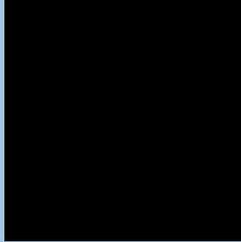
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

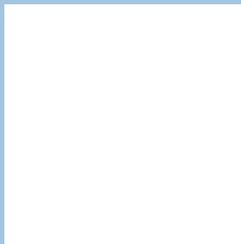
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7306, 53.2068, 78.2226

Background



This preview shows how black text looks on a background with the XYZ color 48.7306, 53.2068, 78.2226.



This preview shows how white text looks on a background with the XYZ color 48.7306, 53.2068,

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

48.7306, 53.2068, 78.2226

Protanopia

52.2881, 53.1203, 75.2075

Deuteranopia

54.2164, 53.0595, 79.3355



Tritanopia

47.4613, 53.3833, 71.4209

Trichromacy



Original Color

48.7306, 53.2068, 78.2226

Protanomaly

50.7115, 52.9441, 75.9531

Deuteranomaly

51.9886, 52.8882, 78.7025

Tritanomaly

47.9532, 53.2367, 74.0780

Monochromacy



Original Color

48.7306, 53.2068, 78.2226

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7867, 52.2280, 63.3868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7306, 53.2068, 78.2226 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(164, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 197, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.7306, 53.2068, 78.2226 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(164, 197, 224) }
```

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

```
.border{ border-color:rgb(164, 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(164, 197, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(164, 197,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7306, 53.2068, 78.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 197, 224) }
```

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

```
.background{ background-color: rgb(164,  
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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