

Converting Colors

XYZ(48.8817, 53.9810, 78.4446)

Have a look what the booklet for
XYZ(48.8817, 53.9810, 78.4446)
contains.

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Color

**XYZ(48.7783, 53.9100,
78.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C7E0
RGB	162, 199, 224
RGB Percent	64%, 78%, 88%
CMY	0.3647, 0.2196, 0.1216
CMYK	0.28, 0.11, 0.00, 0.12
HSL	204°, 50%, 76%
HSV	204°, 28%, 88%
XYZ	48.7783, 53.9100, 78.3558
YIQ	190.7870, -30.0770, -0.0690

Conversions

Conversions Part 2

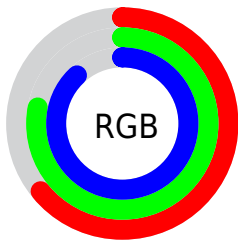
Format	Color
R_{YB}	162, 185, 224
Decimal	10668000
CIE _{Lab}	78.41, -6.62, -16.45
CIE _{LCh}	78, 17.735, 248.069
Yxy	53.9100, 0.2694, 0.2978
Android (android.graphics.Color)	4288858080 (0xFFA2C7E0)
YUV	190.7870, 16.3740, -25.2462
Hunter-Lab	73.4234, -9.9059, -11.8765

Details

The XYZ color **48.7783, 53.9100, 78.3558** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.0333, 53.9973, 41.7059**, and the grayscale version is **49.3199, 51.8884, 56.5064**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **23.5935, 26.3666, 41.3819** is the 20% darker color. If you saturate the color by 10%, you get **42.6106, 47.7377, 77.4904**, and if you desaturate by 10%, it is **55.8832, 60.7512, 79.3027**.

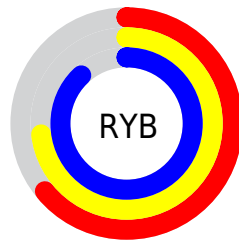
Distribution



Red (64%)

Green (78%)

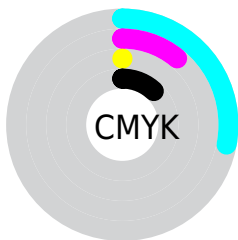
Blue (88%)



Red (64%)

Yellow (73%)

Blue (88%)

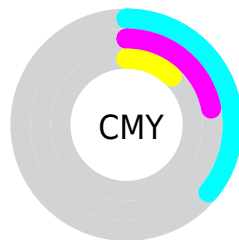


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (12%)



Cyan (36%)

Magenta (22%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7783, 53.9100, 78.3558 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 48.7783, 53.9100, 78.3558 by changing the saturation by 10% instead.

■ 48.7783, 53.9100,
78.3558

■ 48.7783, 53.9100,
78.3558

372.4003,
401.7667, 508.9342

■ 34.6575, 38.5297,
57.8481

■ 87.5648, 95.9421,
132.8420

■ 23.5644, 26.3941,
41.2727

■ 112.9612,
123.3627, 167.6576

■ 15.1338, 17.1187,
28.2109

142.8467,
155.5655, 208.0796

■ 9.0003, 10.3191,
18.2443

177.5869,
192.9349, 254.5265

■ 4.7985, 5.6111,
10.9543

217.5470,
235.8554, 307.4169

■ 2.1630, 2.6101,
5.9223

263.0923,

■ 0.7232, 0.9317,

284.7112, 367.1693

2.7299

314.5883,
339.8869, 434.2022

■ 0.0000, 0.0000,
0.9584

■ 0.0000, 0.0000,
0.0000

■ 48.7783, 53.9100,
78.3558

■ 48.7783, 53.9100,
78.3558

■ 42.6106, 47.7377,
77.4904

■ 55.8832, 60.7512,
79.3027

■ 37.3299, 42.2013,
76.7001

■ 63.9622, 68.2793,
80.3300

■ 32.8887, 37.2745,
75.9832

■ 73.0561, 76.5199,
81.4413

■ 29.2326, 32.9258,
75.3365

■ 83.2020, 85.4949,
82.6389

■ 26.3003, 29.1201,
74.7565

■ 87.0943, 91.4410,
83.5814

■ 24.0197, 25.8170,
74.2391

■ 89.8813, 97.0151,
84.5105

■ 22.2933, 22.9623,
73.7791

■ 90.4547, 98.1619,
84.7016

■ 21.9362, 22.3448,
73.6787

Harmonies

Analogous

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



46.1447, 53.9100, 71.3418



48.7783, 53.9100, 78.3558



52.1860, 53.9100, 79.8177

Triad

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



48.7783, 53.9100, 78.3558



58.1630, 53.9100, 56.0466



47.2190, 53.9100, 44.8529

Complementary

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



48.7783, 53.9100, 78.3558



55.0333, 53.9973, 41.7059

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.



50.3052, 53.9100, 41.6783



48.7783, 53.9100, 78.3558



56.6969, 53.9100, 47.6454

Square

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



48.7783, 53.9100, 78.3558



57.7089, 53.9100, 66.1600



53.7828, 53.9100, 42.6394



45.2733, 53.9100, 51.8208

Rectangle

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



48.7783, 53.9100, 78.3558



54.4572, 53.9100, 77.3078



53.7828, 53.9100, 42.6394



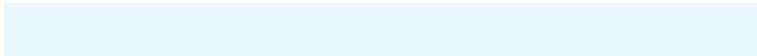
48.1518, 53.9100, 43.3449

Sweetspot

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



48.7800, 53.9122, 78.3570



85.3709, 91.1980, 107.7112



50.5055, 64.5731, 56.7049



17.9046, 19.1807, 23.0085



0.0000, 0.0000, 0.0000



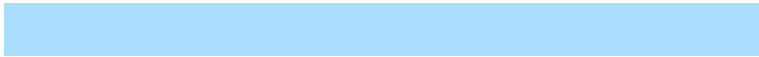
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7800, 53.9122, 78.3570



60.6870, 67.6113, 104.4595



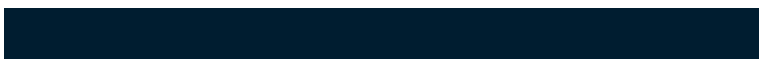
42.3958, 41.1439, 76.2290



13.6288, 14.5968, 17.4868



12.8838, 13.2372, 42.9243



0.9801, 1.0917, 3.0043

Inverse Universe

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



53.9710, 45.8130, 60.0333



68.8352, 55.5534, 75.5509



62.2827, 68.4962, 44.1224



14.0489, 13.8372, 16.0275



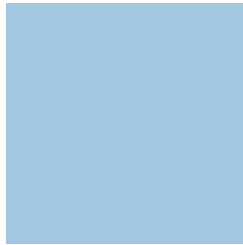
20.4433, 10.2443, 14.2663



1.4610, 0.7277, 1.2203

Previews

White Background



This preview shows how the XYZ color 48.7783, 53.9100, 78.3558 looks on a white background.

Color Contrast Check

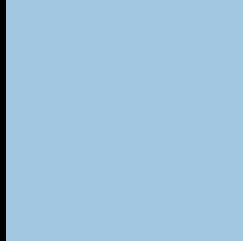
Large Text (above 18pt) WCAG AA × Fail

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 48.7783, 53.9100, 78.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

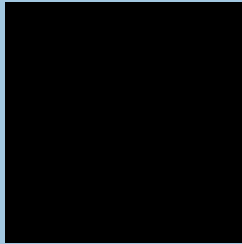
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7783, 53.9100, 78.3558

Background



This preview shows how black text looks on a background with the XYZ color 48.7783, 53.9100, 78.3558.



This preview shows how white text looks on a background with the XYZ color 48.7783, 53.9100,

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

48.7783, 53.9100, 78.3558

Protanopia

52.6221, 53.6326, 74.5965

Deuteranopia

54.9510, 53.7565, 79.4313



Tritanopia

47.5462, 53.7400, 72.8327

Trichromacy



Original Color

48.7783, 53.9100, 78.3558

Protanomaly

51.1567, 53.8344, 76.1014

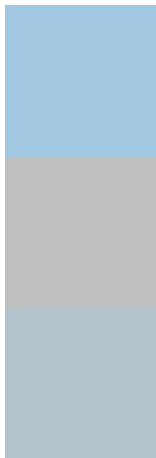
Deuteranomaly

52.4277, 53.7665, 78.8489

Tritanomaly

48.1384, 54.0001, 74.9037

Monochromacy



Original Color

48.7783, 53.9100, 78.3558

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8937, 52.5987, 64.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7783, 53.9100, 78.3558 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(162, 199, 224)` looks like.

```
.text, #text, p{  
    color:rgb(162, 199, 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(162, 199, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 199, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.7783, 53.9100, 78.3558 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(162, 199, 224) }
```


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

```
.border{ border-color:rgb(162, 199, 224) }
```

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

Here you see how a box with a 4 pixel rgb(162, 199, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 199, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 199, 224);  
box-shadow:4px 4px 4px 4px rgb(162, 199,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7783, 53.9100, 78.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 199, 224) }
```

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

```
.background{ background-color: rgb(162,  
199, 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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