

Converting Colors

XYZ(50.8161, 55.3151, 77.4637)

Have a look what the booklet for
XYZ(50.8161, 55.3151, 77.4637)
contains.

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Color

**XYZ(50.9868, 55.4069,
77.8194)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC8DF
RGB	172, 200, 223
RGB Percent	67%, 78%, 87%
CMY	0.3255, 0.2157, 0.1255
CMYK	0.23, 0.10, 0.00, 0.13
HSL	207°, 44%, 77%
HSV	207°, 23%, 87%
XYZ	50.9868, 55.4069, 77.8194
YIQ	194.2500, -24.0710, 1.2170

Conversions

Conversions Part 2

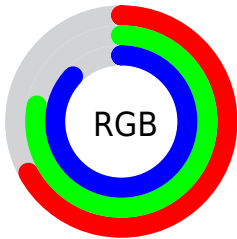
Format	Color
R_{YB}	172, 190, 223
Decimal	11323615
CIE _{Lab}	79.28, -4.40, -14.55
CIE _{LCh}	79, 15.200, 253.162
Yxy	55.4069, 0.2768, 0.3008
Android (android.graphics.Color)	4289513695 (0xFFACC8DF)
YUV	194.2500, 14.1738, -19.5132
Hunter-Lab	74.4358, -7.9943, -9.8800

Details

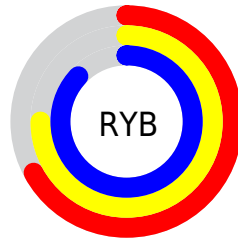
The XYZ color **50.9868, 55.4069, 77.8194** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3935, 57.6970, 47.1426**, and the grayscale version is **51.3564, 54.0309, 58.8397**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.9545, 27.3069, 41.0013** is the 20% darker color. If you saturate the color by 10%, you get **44.2446, 48.5880, 76.8595**, and if you desaturate by 10%, it is **58.7068, 62.9600, 78.8713**.

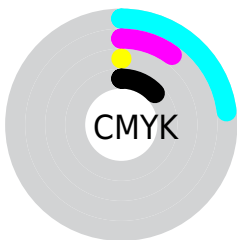
Distribution



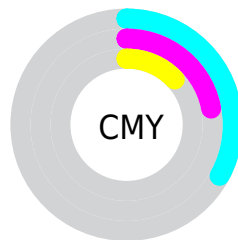
- Red (67%)
- Green (78%)
- Blue (87%)



- Red (67%)
- Yellow (75%)
- Blue (87%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9868, 55.4069, 77.8194 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 50.9868, 55.4069, 77.8194 by changing the saturation by 10% instead.

■ 50.9868, 55.4069,
77.8194

■ 50.9868, 55.4069,
77.8194

380.9010,
407.4525, 507.0649

■ 36.4191, 39.7276,
57.4101

■ 90.8184, 98.1369,
132.0791

■ 24.9297, 27.3262,
40.9230

116.8129,
125.9563, 166.7665

■ 16.1531, 17.8184,
27.9397

147.3472,
158.5913, 207.0503

■ 9.7241, 10.8197,
18.0415

182.7865,
196.4262, 253.3491

■ 5.2773, 5.9457,
10.8101

223.4962,
239.8453, 306.0814

■ 2.4473, 2.8121,
5.8267

269.8416,

■ 0.8687, 1.0344,

289.2332, 365.6658

2.6729

322.1881,
344.9741, 432.5208

■ 0.0000, 0.0000,
0.9297

■ 0.0000, 0.0000,
0.0000

■ 50.9868, 55.4069,
77.8194

■ 50.9868, 55.4069,
77.8194

■ 44.2446, 48.5880,
76.8595

■ 58.7068, 62.9600,
78.8713

■ 38.4314, 42.4697,
75.9849

■ 67.4404, 71.2660,
80.0142

■ 33.5012, 37.0253,
75.1939

■ 77.2280, 80.3510,
81.2519

■ 29.4020, 32.2232,
74.4831

■ 85.7867, 89.0423,
82.4784

■ 26.0758, 28.0289,
73.8488

■ 88.8334, 95.1356,
83.4940

■ 23.4559, 24.4030,
73.2870

■ 90.3195, 98.1078,
83.9894

■ 21.4626, 21.2994,
72.7930

■ 20.3333, 19.3555,
72.4773

Harmonies

Analogous

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



48.5113, 55.4069, 72.5252



50.9868, 55.4069, 77.8194



54.0054, 55.4069, 78.1494

Triad

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



50.9868, 55.4069, 77.8194



58.5643, 55.4069, 56.5951



48.7629, 55.4069, 48.9188

Complementary

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



50.9868, 55.4069, 77.8194



57.3935, 57.6970, 47.1426

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.



51.3423, 55.4069, 45.4466



50.9868, 55.4069, 77.8194



57.0442, 55.4069, 49.5825

Square

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



50.9868, 55.4069, 77.8194



58.4601, 55.4069, 65.3111



54.3747, 55.4069, 45.6773



47.2616, 55.4069, 55.6064

Rectangle

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



50.9868, 55.4069, 77.8194



55.9265, 55.4069, 75.4623



54.3747, 55.4069, 45.6773



49.5282, 55.4069, 47.3671

Sweetspot

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



50.9885, 55.4091, 77.8207



86.2709, 91.7418, 107.7687



53.2467, 65.4850, 61.4348



18.3106, 19.4893, 23.0467



0.0000, 0.0000, 0.0000



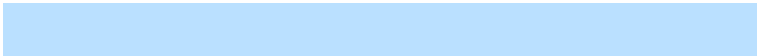
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9885, 55.4091, 77.8207



64.9792, 70.9639, 104.8804



45.5763, 44.5847, 76.0166



13.5727, 14.4846, 17.4681



12.0700, 11.6096, 42.6531



0.9257, 0.9829, 2.9862

Inverse Universe

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



55.6106, 49.3645, 61.2434



72.2787, 61.8203, 78.6105



63.5903, 70.0905, 49.2082



14.0205, 13.8259, 15.8784



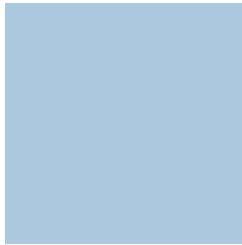
20.0326, 10.0800, 12.1033



1.4335, 0.7167, 1.0757

Previews

White Background



This preview shows how the XYZ color 50.9868, 55.4069, 77.8194 looks on a white background.

Color Contrast Check

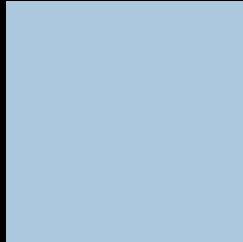
Large Text (above 18pt) WCAG AA × Fail

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 50.9868, 55.4069, 77.8194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

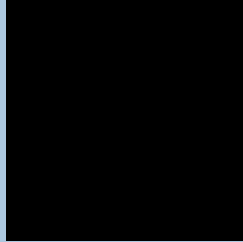
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

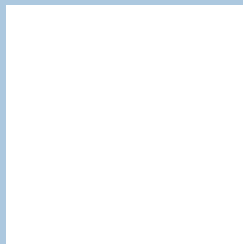
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9868, 55.4069, 77.8194

Background



This preview shows how black text looks on a background with the XYZ color 50.9868, 55.4069, 77.8194.



This preview shows how white text looks on a background with the XYZ color 50.9868, 55.4069,

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

50.9868, 55.4069, 77.8194

Protanopia

54.1716, 55.4040, 75.5490

Deuteranopia

56.3088, 55.1154, 78.9047



Tritanopia

50.2056, 55.4410, 73.7007

Trichromacy



Original Color

50.9868, 55.4069, 77.8194

Protanomaly

53.0250, 55.4673, 76.3181

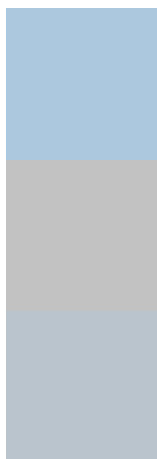
Deuteranomaly

53.9815, 54.9125, 78.2751

Tritanomaly

50.4674, 55.5457, 75.0793

Monochromacy



Original Color

50.9868, 55.4069, 77.8194

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.0091, 54.3267, 65.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9868, 55.4069, 77.8194 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(172, 200, 223)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 223)  
}
```

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(172, 200, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.9868, 55.4069, 77.8194 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(172, 200, 223) }
```


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

```
.border{ border-color:rgb(172, 200, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 200, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 223);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9868, 55.4069, 77.8194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 223) }
```

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

```
.background{ background-color: rgb(172,  
200, 223) }
```

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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