

Converting Colors

XYZ(49.8674, 53.3922, 77.2314)

Have a look what the booklet for
XYZ(49.8674, 53.3922, 77.2314)
contains.

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Color

**XYZ(50.0725, 53.5782,
77.5146)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC4DF
RGB	172, 196, 223
RGB Percent	67%, 77%, 87%
CMY	0.3255, 0.2314, 0.1255
CMYK	0.23, 0.12, 0.00, 0.13
HSL	212°, 44%, 77%
HSV	212°, 23%, 87%
XYZ	50.0725, 53.5782, 77.5146
YIQ	191.9020, -22.9710, 3.3090

Conversions

Conversions Part 2

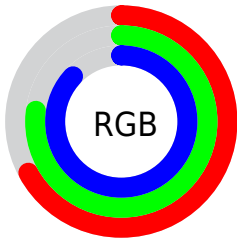
Format	Color
RYB	172, 188, 223
Decimal	11322591
CIELab	78.22, -2.28, -16.14
CIELCh	78, 16.302, 261.969
Yxy	53.5782, 0.2764, 0.2957
Android (android.graphics.Color)	4289512671 (0xFFACC4DF)
YUV	191.9020, 15.3313, -17.4541
Hunter-Lab	73.1971, -5.9872, -11.5492

Details

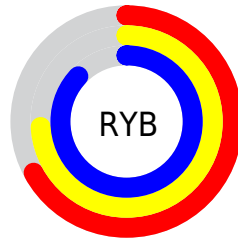
The XYZ color **50.0725, 53.5782, 77.5146** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3020, 59.5138, 47.4456**, and the grayscale version is **49.9701, 52.5724, 57.2514**.

A 20% lighter version of the original color is **85.1702, 93.9645, 108.2558**, and **24.3486, 26.0951, 40.7993** is the 20% darker color. If you saturate the color by 10%, you get **43.0243, 46.1472, 76.4526**, and if you desaturate by 10%, it is **58.1548, 61.8559, 78.6873**.

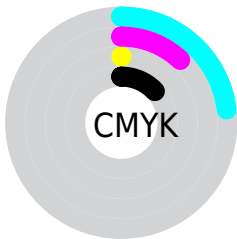
Distribution



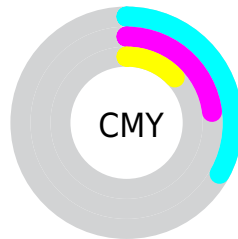
- Red (67%)
- Green (77%)
- Blue (87%)



- Red (67%)
- Yellow (74%)
- Blue (87%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0725, 53.5782, 77.5146 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 50.0725, 53.5782, 77.5146 by changing the saturation by 10% instead.

■ 50.0725, 53.5782,
77.5146

■ 50.0725, 53.5782,
77.5146

377.3967,
400.4995, 506.0010

■ 35.6890, 38.2645,
57.1612

■ 89.4735, 95.4546,
131.6453

■ 24.3631, 26.1881,
40.7245

115.2217,
122.7862, 166.2597

■ 15.7294, 16.9644,
27.7858

145.4889,
154.8926, 206.4648

■ 9.4225, 10.2091,
17.9266

180.6404,
192.1581, 252.6793

■ 5.0771, 5.5378,
10.7284

221.0415,
234.9671, 305.3216

■ 2.3278, 2.5661,
5.7727

267.0578,

■ 0.8088, 0.9097,

283.7041, 364.8103

2.6408

319.0544,
338.7534, 431.5639

■ 0.0000, 0.0000,
0.9134

■ 0.0000, 0.0000,
0.0000

■ 50.0725, 53.5782,
77.5146

■ 50.0725, 53.5782,
77.5146

■ 43.0243, 46.1472,
76.4526

■ 58.1548, 61.8559,
78.6873

■ 36.9595, 39.5259,
75.4942

■ 67.3089, 71.0029,
79.9703

■ 31.8303, 33.6834,
74.6369

■ 77.5768, 81.0485,
81.3682

■ 27.5825, 28.5842,
73.8765

■ 86.6773, 90.8235,
82.7753

■ 24.1560, 24.1892,
73.2088

■ 90.3195, 98.1078,
83.9893

■ 21.4818, 20.4548,
72.6289

■ 19.4777, 17.3296,
72.1313

■ 18.3659, 15.4207,
71.8215

Harmonies

Analogous

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



47.2388, 53.5782, 73.2947



50.0725, 53.5782, 77.5146



53.2534, 53.5782, 76.1889

Triad

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



50.0725, 53.5782, 77.5146



56.8263, 53.5782, 52.0104



46.2449, 53.5782, 48.1720

Complementary

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



50.0725, 53.5782, 77.5146



58.3020, 59.5138, 47.4456

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.



48.6644, 53.5782, 43.5181



50.0725, 53.5782, 77.5146



54.7970, 53.5782, 45.5677

Square

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



50.0725, 53.5782, 77.5146



57.2417, 53.5782, 60.8258



51.7861, 53.5782, 42.6170



45.0900, 53.5782, 55.9181

Rectangle

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



50.0725, 53.5782, 77.5146



55.1367, 53.5782, 72.3949



51.7861, 53.5782, 42.6170



46.9324, 53.5782, 46.2290

Sweetspot

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



50.0741, 53.5804, 77.5158



85.8444, 90.8888, 107.6266



53.6356, 65.6405, 63.4822



18.2118, 19.2918, 23.0138



0.0000, 0.0000, 0.0000



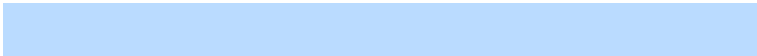
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0741, 53.5804, 77.5158



63.5511, 68.1077, 104.4043



45.2736, 43.7014, 75.8620



13.4813, 14.3017, 17.4376



10.9100, 9.2895, 42.2664



0.8453, 0.8221, 2.9594

Inverse Universe

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



55.1491, 49.1800, 58.8129



71.5578, 61.5320, 74.8147



64.0053, 71.3082, 49.4216



13.9744, 13.8074, 15.6353



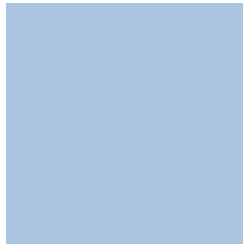
19.4471, 9.8458, 9.0199



1.3929, 0.7004, 0.8620

Previews

White Background



This preview shows how the XYZ color 50.0725, 53.5782, 77.5146 looks on a white background.

Color Contrast Check

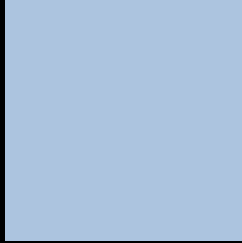
Large Text (above 18pt) WCAG AA × Fail

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 50.0725, 53.5782, 77.5146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

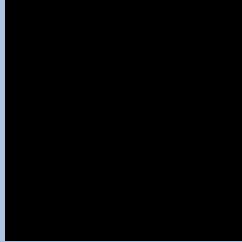
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

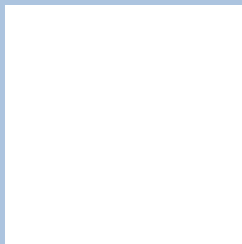
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0725, 53.5782, 77.5146

Background



This preview shows how black text looks on a background with the XYZ color 50.0725, 53.5782, 77.5146.



This preview shows how white text looks on a background with the XYZ color 50.0725, 53.5782,

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

50.0725, 53.5782, 77.5146

Protanopia

52.5069, 53.5579, 75.2805

Deuteranopia

54.5998, 53.2730, 78.6392



Tritanopia

48.7819, 53.7383, 70.7522

Trichromacy



Original Color

50.0725, 53.5782, 77.5146

Protanomaly

51.4125, 53.3055, 75.9859

Deuteranomaly

52.8244, 53.3348, 78.0315

Tritanomaly

49.2852, 53.6002, 73.3939

Monochromacy



Original Color

50.0725, 53.5782, 77.5146

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8570, 52.7660, 64.0570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0725, 53.5782, 77.5146 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, 196, 223)` looks like.

```
.text, #text, p{  
    color:rgb(172, 196, 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, 196, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 196, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.0725, 53.5782, 77.5146 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, 196, 223) }
```


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

```
.border{ border-color:rgb(172, 196, 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, 196, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 196, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 196, 223);  
box-shadow:4px 4px 4px 4px rgb(172, 196,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0725, 53.5782, 77.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 196, 223) }
```

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

```
.background{ background-color: rgb(172,  
196, 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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