

Converting Colors

XYZ(49.1034, 50.4724, 77.7964)

Have a look what the booklet for
XYZ(49.1034, 50.4724, 77.7964)
contains.

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Color

**XYZ(49.1170, 50.4622,
77.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBCE0
RGB	175, 188, 224
RGB Percent	69%, 74%, 88%
CMY	0.3137, 0.2627, 0.1216
CMYK	0.22, 0.16, 0.00, 0.12
HSL	224°, 44%, 78%
HSV	224°, 22%, 88%
XYZ	49.1170, 50.4622, 77.6724
YIQ	188.2170, -19.3040, 8.4400

Conversions

Conversions Part 2

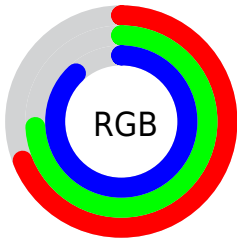
Format	Color
R_{YB}	175, 185, 224
Decimal	11517152
CIE _{Lab}	76.35, 3.17, -19.48
CIE _{LCh}	76, 19.731, 279.239
Yxy	50.4622, 0.2771, 0.2847
Android (android.graphics.Color)	4289707232 (0xFFAFBCE0)
YUV	188.2170, 17.6410, -11.5913
Hunter-Lab	71.0368, -0.8939, -15.1026

Details

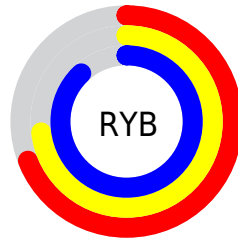
The XYZ color **49.1170, 50.4622, 77.6724** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.7733, 65.5313, 49.9519**, and the grayscale version is **47.8353, 50.3264, 54.8055**.

A 20% lighter version of the original color is **83.3557, 88.9103, 107.3758**, and **23.8514, 24.3301, 40.9752** is the 20% darker color. If you saturate the color by 10%, you get **41.1832, 41.4486, 76.3516**, and if you desaturate by 10%, it is **58.2888, 60.7116, 79.1682**.

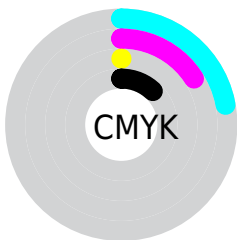
Distribution



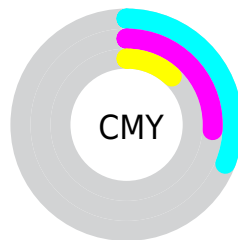
- Red (69%)
- Green (74%)
- Blue (88%)



- Red (69%)
- Yellow (73%)
- Blue (88%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (26%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1170, 50.4622, 77.6724 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 49.1170, 50.4622, 77.6724 by changing the saturation by 10% instead.

■ 49.1170, 50.4622,
77.6724

■ 49.1170, 50.4622,
77.6724

373.7121,
388.4707, 506.5520

■ 34.9272, 35.7808,
57.2901

■ 88.0649, 90.8593,
131.8699

■ 23.7731, 24.2649,
40.8272

113.5537,
117.3438, 166.5221

■ 15.2892, 15.5303,
27.8654

143.5395,
148.5314, 206.7680

■ 9.1102, 9.1924,
17.9861

178.3878,
184.8066, 253.0261

■ 4.8708, 4.8669,
10.7707

218.4638,
226.5538, 305.7151

■ 2.2057, 2.1694,
5.8006

264.1330,

■ 0.7457, 0.7032,

274.1572, 365.2533

2.6574

315.7606,
328.0014, 432.0594

■ 0.0000, 0.0000,
0.9219

■ 0.0000, 0.0000,
0.0000

■ 49.1170, 50.4622,
77.6724

■ 49.1170, 50.4622,
77.6724

■ 41.1832, 41.4486,
76.3516

■ 58.2888, 60.7116,
79.1682

■ 34.4282, 33.6166,
75.1959

■ 68.7449, 72.2359,
80.8415

■ 28.7948, 26.9171,
74.1997

■ 80.5349, 85.0800,
82.6992

■ 24.2190, 21.2948,
73.3556

■ 90.0826, 97.4177,
84.5774

■ 20.6301, 16.6894,
72.6558

■ 90.4547, 98.1619,
84.7015

■ 17.9478, 13.0340,
72.0917

■ 16.0779, 10.2523,
71.6533

■ 15.0411, 8.5548,
71.3803

Harmonies

Analogous

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



45.4788, 50.4622, 76.3431



49.1170, 50.4622, 77.6724



52.6172, 50.4622, 72.3321

Triad

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



49.1170, 50.4622, 77.6724



53.7016, 50.4622, 43.0105



41.5981, 50.4622, 48.0176

Complementary

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



49.1170, 50.4622, 77.6724



61.7733, 65.5313, 49.9519

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.



43.5913, 50.4622, 40.5942



49.1170, 50.4622, 77.6724



50.5357, 50.4622, 37.9727

Square

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



49.1170, 50.4622, 77.6724



55.3525, 50.4622, 51.7302



46.8268, 50.4622, 37.1490



41.2619, 50.4622, 58.2898

Rectangle

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



49.1170, 50.4622, 77.6724



54.3563, 50.4622, 66.0681



46.8268, 50.4622, 37.1490



42.0914, 50.4622, 45.1457

Sweetspot

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



49.1186, 50.4642, 77.6735



84.7434, 88.6869, 107.2596



56.0855, 67.1261, 71.5858



17.9572, 18.7826, 22.9289



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.



49.1186, 50.4642, 77.6735



61.1035, 62.2837, 103.4092



49.1410, 46.5367, 76.9143



13.2464, 13.8318, 17.3593



8.8355, 5.1406, 41.5749



0.6849, 0.5013, 2.9059

Inverse Universe

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



55.1489, 50.1395, 54.3504



70.5492, 61.9967, 66.8267



61.7096, 70.4888, 50.9122



13.8558, 13.7600, 15.0109



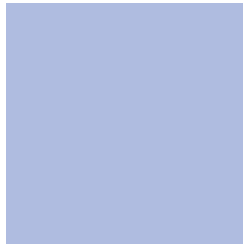
18.4000, 9.4270, 3.5060



1.3120, 0.6681, 0.4357

Previews

White Background



This preview shows how the XYZ color 49.1170, 50.4622, 77.6724 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 49.1170, 50.4622, 77.6724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

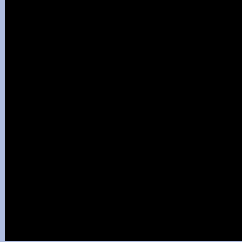
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1170, 50.4622, 77.6724

Background



This preview shows how black text looks on a background with the XYZ color 49.1170, 50.4622, 77.6724.



This preview shows how white text looks on a background with the XYZ color 49.1170, 50.4622,

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

49.1170, 50.4622, 77.6724

Protanopia

49.9342, 50.2693, 76.8832

Deuteranopia

51.4701, 50.4086, 78.2512



Tritanopia

46.7846, 50.4885, 65.6720

Trichromacy



Original Color

49.1170, 50.4622, 77.6724

Protanomaly

49.6800, 50.4521, 76.9318

Deuteranomaly

50.4680, 50.2014, 78.2641

Tritanomaly

47.6573, 50.5152, 70.1894

Monochromacy



Original Color

49.1170, 50.4622, 77.6724

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0543, 50.2508, 62.4250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1170, 50.4622, 77.6724 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(175, 188, 224)` looks like.

```
.text, #text, p{  
    color:rgb(175, 188, 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(175, 188, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 188, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.1170, 50.4622, 77.6724 is called "border". The border property can be set on classes, ids or directly on the HTML element.

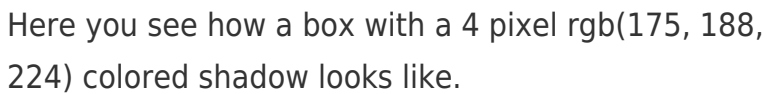
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 188, 224) }
```


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

```
.border{ border-color:rgb(175, 188, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 188, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 188, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 188, 224); box-shadow:4px 4px 4px 4px rgb(175, 188, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1170, 50.4622, 77.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 188, 224) }
```

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

```
.background{ background-color: rgb(175,  
188, 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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