

Converting Colors

XYZ(48.2722, 49.5823, 83.3701)

Have a look what the booklet for
XYZ(48.2722, 49.5823, 83.3701)
contains.

XYZ(48.2722, 49.5823, 83.3701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2722, 49.5823,
83.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BBE8
RGB	167, 187, 232
RGB Percent	65%, 73%, 91%
CMY	0.3451, 0.2667, 0.0902
CMYK	0.28, 0.19, 0.00, 0.09
HSL	222°, 59%, 78%
HSV	222°, 28%, 91%
XYZ	48.2722, 49.5823, 83.3701
YIQ	186.1500, -26.3650, 9.7550

Conversions

Conversions Part 2

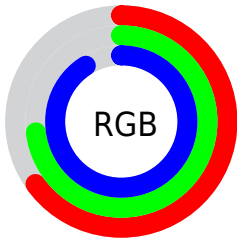
Format	Color
R _Y B	167, 182, 232
Decimal	10992616
CIE Lab	75.81, 3.18, -24.67
CIE LCh	76, 24.878, 277.347
Yxy	49.5823, 0.2664, 0.2736
Android (android.graphics.Color)	4289182696 (0xFFA7BBE8)
YUV	186.1500, 22.6040, -16.7946
Hunter-Lab	70.4147, -0.8566, -20.9083

Details

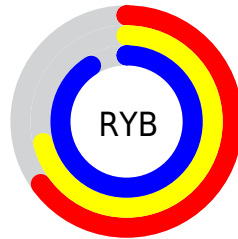
The XYZ color **48.2722, 49.5823, 83.3701** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.7982, 67.0336, 46.1371**, and the grayscale version is **46.6453, 49.0745, 53.4422**.

A 20% lighter version of the original color is **80.5320, 87.0092, 107.1577**, and **23.1716, 23.6955, 44.4267** is the 20% darker color. If you saturate the color by 10%, you get **40.5849, 40.8419, 82.0890**, and if you desaturate by 10%, it is **57.2230, 59.5421, 84.8216**.

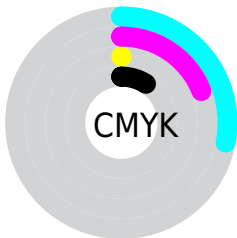
Distribution



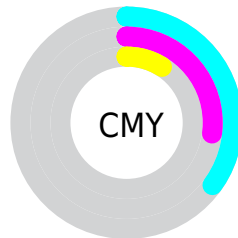
- Red (65%)
- Green (73%)
- Blue (91%)



- Red (65%)
- Yellow (71%)
- Blue (91%)



- Cyan (28%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (35%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2722, 49.5823, 83.3701 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 48.2722, 49.5823, 83.3701 by changing the saturation by 10% instead.

■ 48.2722, 49.5823,
83.3701

■ 48.2722, 49.5823,
83.3701

370.4347,
385.0302, 526.2224

■ 34.2546, 35.0816,
61.9531

■ 86.8168, 89.5557,
139.9476

■ 23.2531, 23.7258,
44.5593

■ 112.0745,
115.7972, 175.9451

■ 14.9022, 15.1303,
30.7700

141.8097,
146.7211, 217.6400

■ 8.8367, 8.9109,
20.1668

176.3877,
182.7117, 265.4507

■ 4.6911, 4.6831,
12.3311

216.1738,
224.1536, 319.7957

■ 2.1000, 2.0626,
6.8443

261.5335,

■ 0.6892, 0.6434,

271.4310, 381.0937

3.2879

312.8320,
324.9284, 449.7630

■ 0.0000, 0.0000,
1.2435

■ 0.0000, 0.0000,
0.0148

■ 48.2722, 49.5823,
83.3701

■ 48.2722, 49.5823,
83.3701

■ 40.5849, 40.8419,
82.0890

■ 57.2230, 59.5421,
84.8216

■ 34.0968, 33.2657,
80.9686

■ 67.4879, 70.7617,
86.4462

■ 28.7450, 26.8029,
80.0033

■ 79.1206, 83.2867,
88.2507

■ 24.4584, 21.3962,
79.1856

■ 90.3806, 96.2362,
90.1567

■ 21.1572, 16.9825,
78.5077

■ 91.5657, 98.6063,
90.5517

■ 18.7492, 13.4904,
77.9605

■ 17.1106, 10.8306,
77.5335

■ 16.8437, 10.3823,
77.4610

Harmonies

Analogous

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



43.7857, 49.5823, 81.0478



48.2722, 49.5823, 83.3701



52.7263, 49.5823, 76.8547

Triad

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



48.2722, 49.5823, 83.3701



54.5508, 49.5823, 39.9710



39.3912, 49.5823, 44.7649

Complementary

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



48.2722, 49.5823, 83.3701



63.7982, 67.0336, 46.1371

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.



41.9379, 49.5823, 36.1748



48.2722, 49.5823, 83.3701



50.6330, 49.5823, 33.7391

Square

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



48.2722, 49.5823, 83.3701



56.5020, 49.5823, 50.7967



45.9991, 49.5823, 32.4728



38.8501, 49.5823, 57.3075

Rectangle

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



48.2722, 49.5823, 83.3701



55.0124, 49.5823, 68.9173



45.9991, 49.5823, 32.4728



40.0327, 49.5823, 41.3851

Sweetspot

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



48.2738, 49.5843, 83.3712



83.5980, 87.6521, 107.1202



56.6044, 70.6539, 72.5577



17.4588, 18.2893, 22.8600



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.



48.2738, 49.5843, 83.3712



53.7726, 54.5982, 102.3121



46.9568, 43.0390, 82.1773



13.9427, 14.6069, 18.2289



9.4488, 5.9598, 43.0355



0.7783, 0.6006, 3.2069

Inverse Universe

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



56.0684, 48.3827, 53.3994



65.1459, 53.3153, 58.4741



65.3732, 75.7329, 47.7332



14.5587, 14.4407, 15.8764



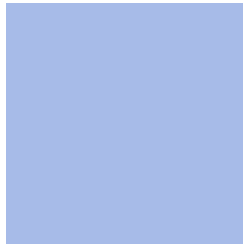
19.1628, 9.7994, 4.4865



1.4565, 0.7403, 0.5444

Previews

White Background



This preview shows how the XYZ color 48.2722, 49.5823, 83.3701 looks on a white background.

Color Contrast Check

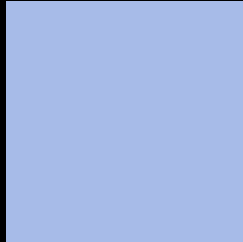
Large Text (above 18pt) WCAG AA × Fail

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 48.2722, 49.5823, 83.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

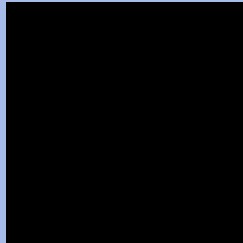
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2722, 49.5823, 83.3701

Background



This preview shows how black text looks on a background with the XYZ color 48.2722, 49.5823, 83.3701.



This preview shows how white text looks on a background with the XYZ color 48.2722, 49.5823,

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

48.2722, 49.5823, 83.3701

Protanopia

49.5364, 49.6412, 81.8338

Deuteranopia

50.6975, 49.5739, 83.9875



Tritanopia

44.7936, 49.4480, 66.2150

Trichromacy



Original Color

48.2722, 49.5823, 83.3701

Protanomaly

49.2163, 49.7716, 82.6142

Deuteranomaly

49.7530, 49.3943, 84.0026

Tritanomaly

46.1180, 49.6773, 72.1237

Monochromacy



Original Color

48.2722, 49.5823, 83.3701

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9288, 49.0133, 63.4870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2722, 49.5823, 83.3701 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(167, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(167, 187, 232)  
}
```

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(167, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 187, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.2722, 49.5823, 83.3701 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(167, 187, 232) }
```


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

```
.border{ border-color:rgb(167, 187, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 187, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 187, 232);  
box-shadow:4px 4px 4px 4px rgb(167, 187,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2722, 49.5823, 83.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 187, 232) }
```

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

```
.background{ background-color: rgb(167,  
187, 232) }
```

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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