

Converting Colors

Hex(2A87BB)

Have a look what the booklet for
Hex(2A87BB) contains.

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Color

Hex(2A87BB)

Conversions

Conversions Part 1

Format	Color
Hex	2A87BB
RGB	42, 135, 187
RGB Percent	16%, 53%, 73%
CMY	0.8353, 0.4706, 0.2667
CMYK	0.78, 0.28, 0.00, 0.27
HSL	202°, 63%, 45%
HSV	202°, 78%, 73%
XYZ	18.5885, 21.4080, 50.1662
YIQ	113.1210, -72.1200, -3.5440

Conversions

Conversions Part 2

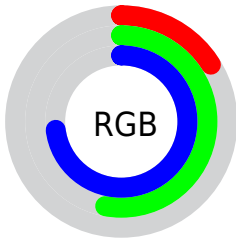
Format	Color
R_{YB}	42, 99, 187
Decimal	2787259
CIE _{Lab}	53.39, -8.88, -34.83
CIE _{LCh}	53, 35.942, 255.694
Yxy	21.4080, 0.2062, 0.2374
Android (android.graphics.Color)	4280977339 (0xFF2A87BB)
YUV	113.1210, 36.4223, -62.3731
Hunter-Lab	46.2688, -9.2582, -31.8960

Details

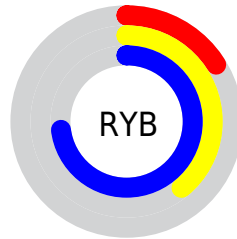
The Hex color **2A87BB** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **BB5E2A**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **6DBCf3**, and **005685** is the 20% darker color. If you saturate the color by 10%, you get **1780BB**, and if you desaturate by 10%, it is **3D8EBB**.

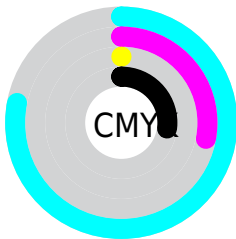
Distribution



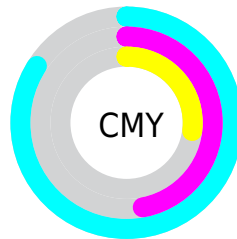
- Red (16%)
- Green (53%)
- Blue (73%)



- Red (16%)
- Yellow (39%)
- Blue (73%)



- Cyan (78%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)



- Cyan (84%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A87BB 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 Hex color 2A87BB by changing the saturation by 10% instead.

 2A87BB

 2A87BB

FFFFFF

 006EAO

 6DBCf3

 005685

 8BD8FF

 003E6C

 A8F4FF

 002953

 C6FFFF

 00153C

 E4FFFF

 000226

 00010E

 000000

 2A87BB

 2A87BB

■ 1780BB

■ 3D8EBB

■ 057ABB

■ 4F94BB

■ 0078BB

■ 629BBB

■ 75A2BB

■ 88A9BB

■ 9AAFBB

■ ADB6BB

■ C0BDBB

■ D2C3BB

Harmonies

Analogous

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



008DAB



2A87BB



6B7DBB

Triad

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



2A87BB



BB6770



608A53

Complementary

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



2A87BB



BB5E2A

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.



838342



2A87BB



B46E55

Square

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



2A87BB



B26890



A07943



338F6F

Rectangle

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



2A87BB



8A75B2



A07943



6C884C

Sweetspot

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



2A87BB



BBDEF2



2ABB5D



586E7A



FAFAFA



7A7A7A

Same Dimension

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



2A87BB



11A1F2



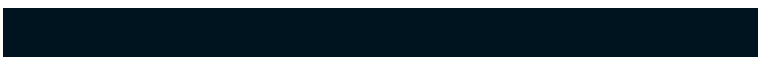
2A40BB



555B5E



00659E



00141F

Inverse Universe

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



BB2A87



F211A1



BBA52A



5E555B



9E0065



1F0014

Previews

White Background



This preview shows how the Hex color 2A87BB looks on a white background.

Color Contrast Check

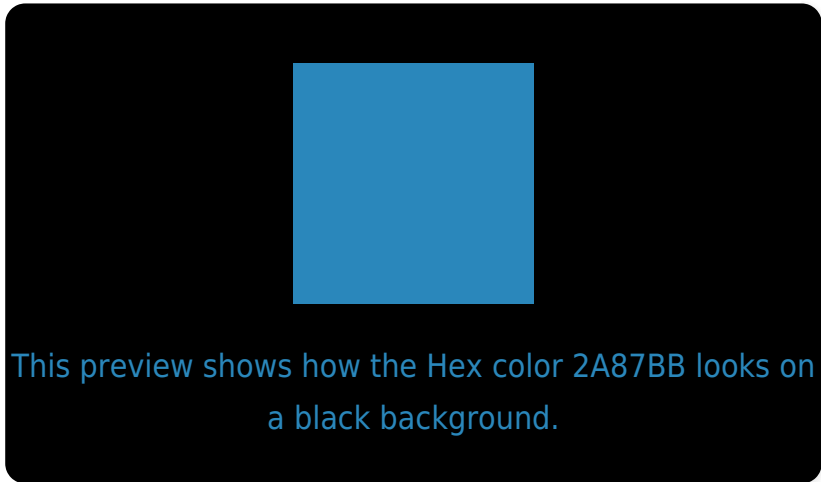
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

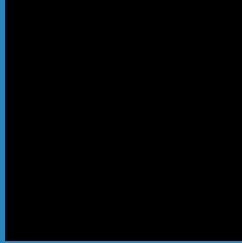
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 2A87BB Background



This preview shows how black text looks on a background with the Hex color 2A87BB.

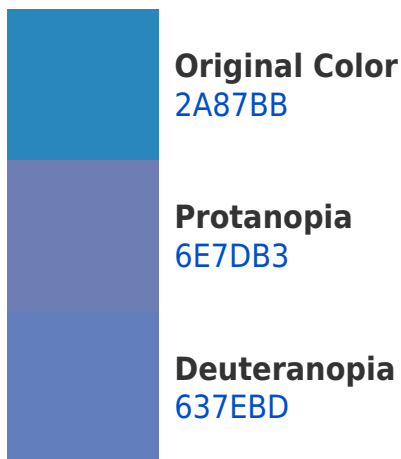


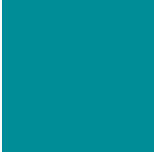
This preview shows how white text looks on a background with the Hex color 2A87BB.

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](#).

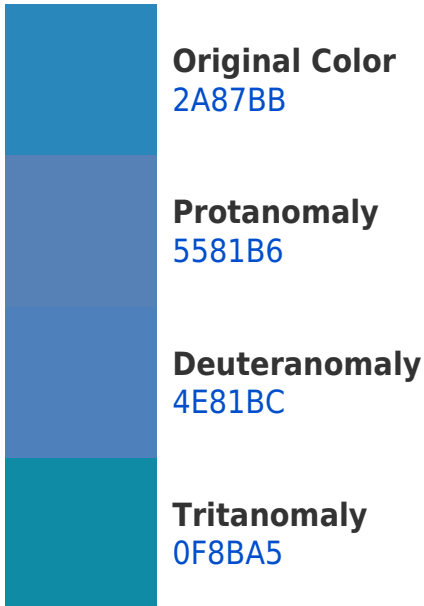
Dichromacy





Tritanopia
008D98

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2A87BB 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 #2A87BB looks like.

```
.text, #text, p{  
    color:#2A87BB  
}
```

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 #2A87BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A87BB  
}
```

Border

The CSS property to change the border of an element to Hex 2A87BB is called "border". The border property can be set on classes, ids or directly on the HTML element.

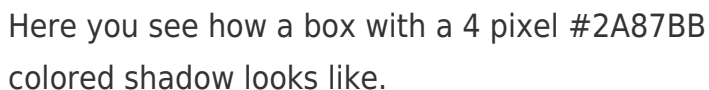
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2A87BB }
```

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

```
.border{ border-color:#2A87BB }
```

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



Here you see how a box with a 4 pixel #2A87BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A87BB; -webkit-box-shadow:4px 4px  
4px 4px #2A87BB; box-shadow:4px 4px 4px  
4px #2A87BB }
```

Background

The CSS property to change the background color of an element to Hex 2A87BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A87BB }
```

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

```
.background{ background-color:#2A87BB }
```

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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