

Converting Colors

Hex(2176A7)

Have a look what the booklet for
Hex(2176A7) contains.

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Color

Hex(2176A7)

Conversions

Conversions Part 1

Format	Color
Hex	2176A7
RGB	33, 118, 167
RGB Percent	13%, 46%, 65%
CMY	0.8706, 0.5373, 0.3451
CMYK	0.80, 0.29, 0.00, 0.35
HSL	202°, 67%, 39%
HSV	202°, 80%, 65%
XYZ	14.0807, 16.0702, 38.9189
YIQ	98.1710, -66.3890, -2.7810

Conversions

Conversions Part 2

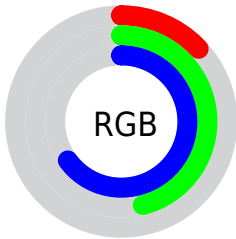
Format	Color
R_{YB}	33, 85, 167
Decimal	2193063
CIE _{Lab}	47.07, -7.27, -33.20
CIE _{LCh}	47, 33.990, 257.643
Yxy	16.0702, 0.2039, 0.2327
Android (android.graphics.Color)	4280383143 (0xFF2176A7)
YUV	98.1710, 33.9327, -57.1550
Hunter-Lab	40.0877, -7.4558, -29.5001

Details

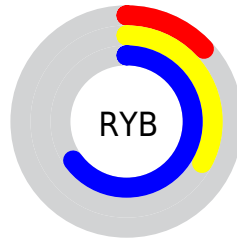
The Hex color **2176A7** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A75221**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **64AADE**, and **004673** is the 20% darker color. If you saturate the color by 10%, you get **1070A7**, and if you desaturate by 10%, it is **327CA7**.

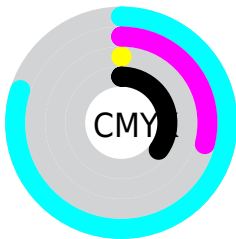
Distribution



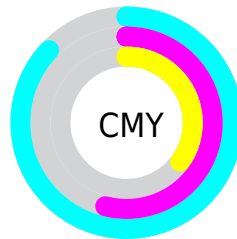
- Red (13%)
- Green (46%)
- Blue (65%)



- Red (13%)
- Yellow (33%)
- Blue (65%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)



- Cyan (87%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2176A7 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 2176A7 by changing the saturation by 10% instead.

■ 2176A7

■ 2176A7

FFFFFF

■ 005D8C

■ 64AADE

■ 004673

■ 81C5FB

■ 00305A

■ 9EE1FF

■ 001C42

■ BBFEFF

■ 00032C

■ D9FFFF

■ 000116

■ F6FFFF

■ 000000

■ 2176A7

■ 2176A7

■ 1070A7

■ 327CA7

■ 006AA7

■ 4282A7

■ 5388A7

■ 648EA7

■ 7495A7

■ 859BA7

■ 96A1A7

■ A7A7A7

■ B7ADA7

Harmonies

Analogous

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



007C99



2176A7



5F6DA6

Triad

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



2176A7



A65960



507A48

Complementary

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



2176A7



A75221

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.



717337



2176A7



9E6047

Square

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



2176A7



9F5A7D



8B6A37



237E62

Rectangle

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



2176A7



7C659D



8B6A37



5C7841

Sweetspot

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



2176A7



A5C6D9



21A750



4E626E



EDEDED



6E6E6E

Same Dimension

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



2176A7



098DD9



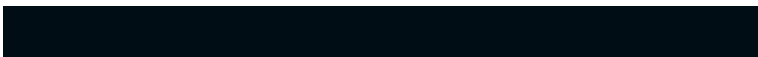
2135A7



4C5154



005E94



000D14

Inverse Universe

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



A72176



D9098D



A79321



544C51



94005E



14000D

Previews

White Background



This preview shows how the Hex color 2176A7 looks on a white background.

Color Contrast Check

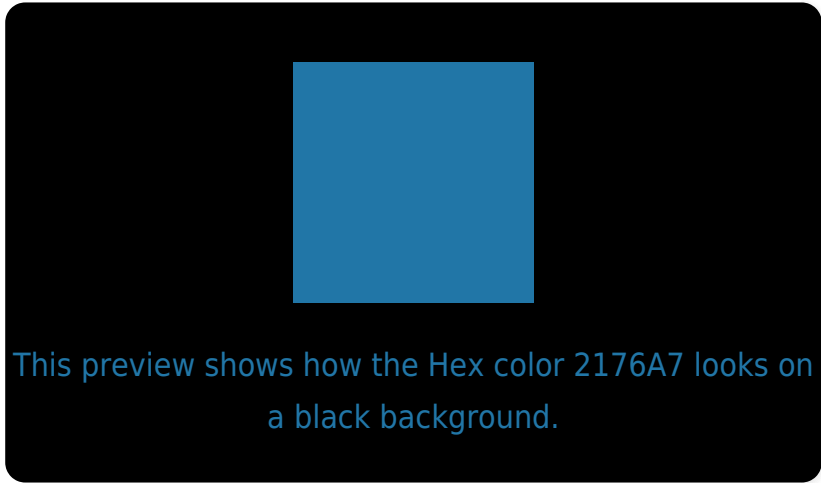
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

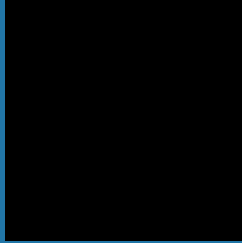
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 2176A7 Background



This preview shows how black text looks on a background with the Hex color 2176A7.

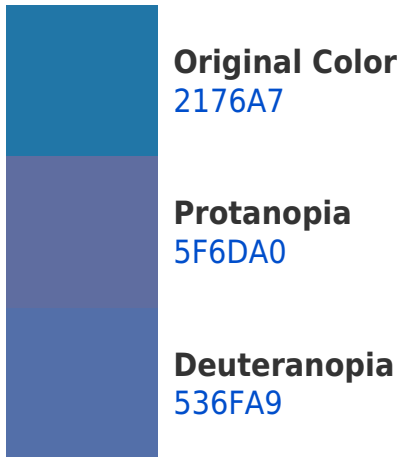


This preview shows how white text looks on a background with the Hex color 2176A7.

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



Trichromacy



Original Color

2176A7

Protanomaly

4870A3

Deuteranomaly

4172A8

Monochromacy



Original Color

2176A7

Achromatopsia

626262

Achromatomaly

4A697B

CSS Examples

Text

The CSS property to change the color of the text to Hex 2176A7 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 #2176A7 looks like.

```
.text, #text, p{  
    color:#2176A7  
}
```

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 #2176A7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2176A7
}
```

Border

The CSS property to change the border of an element to Hex 2176A7 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
#2176A7 }
```

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

```
.border{ border-color:#2176A7 }
```

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

Here you see how a box with a 4 pixel #2176A7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2176A7; -webkit-box-shadow:4px 4px  
4px 4px #2176A7; box-shadow:4px 4px 4px  
4px #2176A7 }
```

Background

The CSS property to change the background color of an element to Hex 2176A7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2176A7 }
```

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

```
.background{ background-color:#2176A7 }
```

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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