

Converting Colors

Hex(236DDB)

Have a look what the booklet for
Hex(236DDB) contains.

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Color

Hex(236DDB)

Conversions

Conversions Part 1

Format	Color
Hex	236DDB
RGB	35, 109, 219
RGB Percent	14%, 43%, 86%
CMY	0.8627, 0.5725, 0.1412
CMYK	0.84, 0.50, 0.00, 0.14
HSL	216°, 72%, 50%
HSV	216°, 84%, 86%
XYZ	18.9480, 16.4091, 69.1864
YIQ	99.4140, -79.4140, 18.5220

Conversions

Conversions Part 2

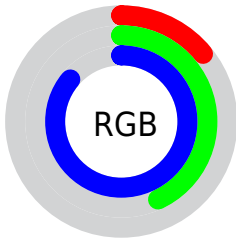
Format	Color
RYB	35, 88, 219
Decimal	2321883
CIELab	47.51, 18.35, -62.45
CIELCh	48, 65.089, 286.376
Yxy	16.4091, 0.1812, 0.1570
Android (android.graphics.Color)	4280511963 (0xFF236DDB)
YUV	99.4140, 58.9559, -56.4911
Hunter-Lab	40.5081, 12.6054, -72.9095

Details

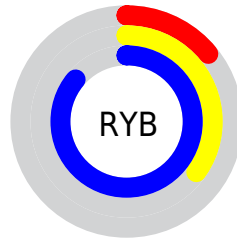
The Hex color **236DDB** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **DB9123**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **70A0FF**, and **003FA3** is the 20% darker color. If you saturate the color by 10%, you get **0D60DB**, and if you desaturate by 10%, it is **397ADB**.

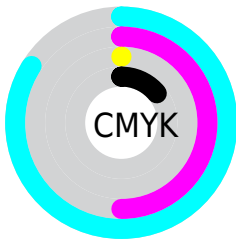
Distribution



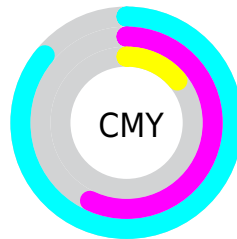
- Red (14%)
- Green (43%)
- Blue (86%)



- Red (14%)
- Yellow (35%)
- Blue (86%)



- Cyan (84%)
- Magenta (50%)
- Yellow (0%)
- Black (14%)



- Cyan (86%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Hex color 236DDB 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 236DDB by changing the saturation by 10% instead.

 236DDB

 236DDB

FFFFFF

 0055BF

 70A0FF

 003FA3

 90BBFF

 002A88

 AFD6FF

 00186E


 CEF2FF

 000655

 ECFFFF

 00063D

 000326

 00010F

 000000

■ 236DDB

■ 236DDB

■ 0D60DB

■ 397ADB

■ 0058DB

■ 4F87DB

■ 6594DB

■ 7BA1DB

■ 91AEDB

■ A6BCDB

■ BCC9DB

■ D2D6DB

■ E8E3DB

Harmonies

Analogous

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



007EDC



236DDB



9852BD

Triad

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



236DDB



C04B21



008755

Complementary

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



236DDB



DB9123

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.



22821A



236DDB



9D6500

Square

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



236DDB



D03255



6C7700



00898E

Rectangle

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



236DDB



BA3E9E



6C7700



008642

Sweetspot

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



236DDB



BFD9FF



23DB8E



596980



000000



808080

Same Dimension

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



236DDB



0067FF



3223DB



63676E



0046AD



00122E

Inverse Universe

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



DB236D



FF0067



CCDB23



6E6367



AD0046



2E0012

Previews

White Background



This preview shows how the Hex color 236DDB looks on a white background.

Color Contrast Check

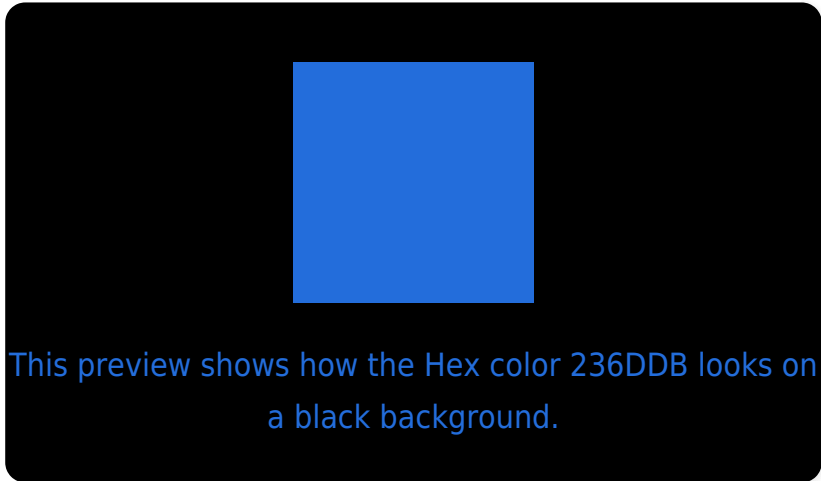
Large Text (above 18pt) WCAG AA ✓ Pass

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

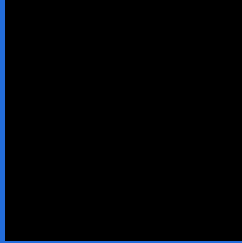
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

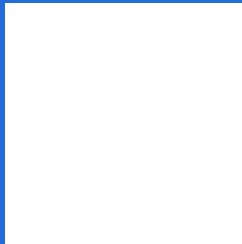
Any Text WCAG AAA × Fail

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

Hex 236DDB Background



This preview shows how black text looks on a background with the Hex color 236DDB.

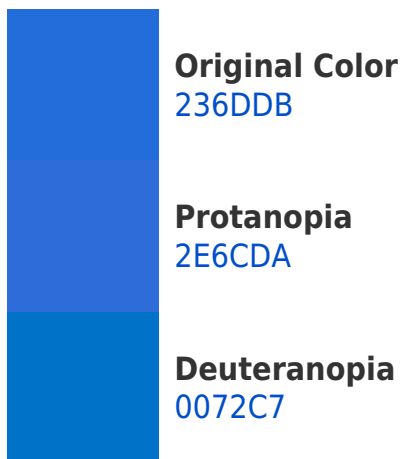


This preview shows how white text looks on a background with the Hex color 236DDB.

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
007C85

Trichromacy



Original Color
236DDB

Protanomaly
2A6CDA

Deuteranomaly
0D70CE

Tritanomaly
0D77A4

Monochromacy



Original Color
236DDB

Achromatopsia
636363

Achromatomaly
4C678F

CSS Examples

Text

The CSS property to change the color of the text to Hex 236DDB 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 #236DDB looks like.

```
.text, #text, p{  
    color:#236DDB  
}
```

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 #236DDB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #236DDB
}
```

Border

The CSS property to change the border of an element to Hex 236DDB 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
#236DDB }
```

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

```
.border{ border-color:#236DDB }
```

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

Here you see how a box with a 4 pixel #236DDB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #236DDB; -webkit-box-shadow:4px 4px  
4px 4px #236DDB; box-shadow:4px 4px 4px  
4px #236DDB }
```

Background

The CSS property to change the background color of an element to Hex 236DDB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#236DDB }
```

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

```
.background{ background-color:#236DDB }
```

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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