

Converting Colors

Hex(649DD2)

Have a look what the booklet for
Hex(649DD2) contains.

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Color

Hex(649DD2)

Conversions

Conversions Part 1

Format	Color
Hex	649DD2
RGB	100, 157, 210
RGB Percent	39%, 62%, 82%
CMY	0.6078, 0.3843, 0.1765
CMYK	0.52, 0.25, 0.00, 0.18
HSL	209°, 55%, 61%
HSV	209°, 52%, 82%
XYZ	28.9454, 31.4764, 65.5227
YIQ	145.9990, -50.9850, 4.3990

Conversions

Conversions Part 2

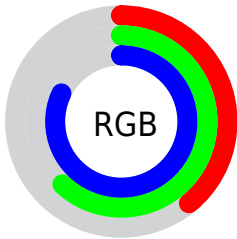
Format	Color
RYB	100, 138, 210
Decimal	6594002
CIELab	62.91, -3.72, -32.80
CIELCh	63, 33.015, 263.523
Yxy	31.4764, 0.2298, 0.2499
Android (android.graphics.Color)	4284784082 (0xFF649DD2)
YUV	145.9990, 31.5525, -40.3411
Hunter-Lab	56.1038, -6.0892, -29.9711

Details

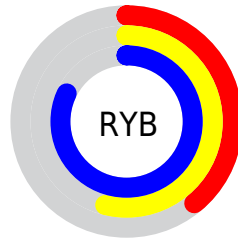
The Hex color **649DD2** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **D29964**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **9DD3FF**, and **276A9B** is the 20% darker color. If you saturate the color by 10%, you get **4F93D2**, and if you desaturate by 10%, it is **79A7D2**.

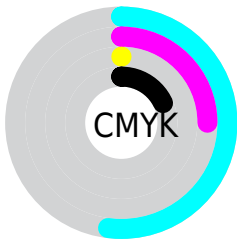
Distribution



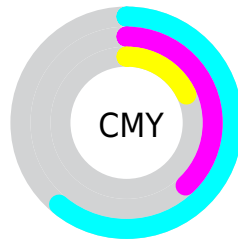
- Red (39%)
- Green (62%)
- Blue (82%)



- Red (39%)
- Yellow (54%)
- Blue (82%)



- Cyan (52%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (61%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 649DD2 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 649DD2 by changing the saturation by 10% instead.

■ 649DD2

■ 649DD2

FFFFFF

■ 4783B6

■ 9DD3FF

■ 276A9B

■ BAF0FF

■ 005281

■ D7FFFF

■ 003B68

■ F4FFFF

■ 00264F

■ 001138

■ 000222

■ 000008

■ 000000

■ 649DD2

■ 649DD2

■ 4F93D2

■ 79A7D2

■ 3A89D2

■ 8EB1D2

■ 257FD2

■ A3BBD2

■ 1075D2

■ B8C5D2

■ 006DD2

■ CDD0D2

■ E2DAD2

■ F7E4D2

■ FFEED2

■ FFF8D2

Harmonies

Analogous

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



35A4C7



649DD2



9393CE

Triad

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



649DD2



D28382



72A474

Complementary

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



649DD2



D29964

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.



949E62



649DD2



C78A6A

Square

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



649DD2



CD82A0



B2945E



4DA891

Rectangle

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



649DD2



AD8CC3



B2945E



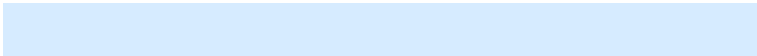
7EA26D

Sweetspot

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



649DD2



D6EBFF



64D297



677480



000000



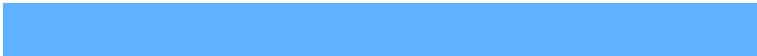
808080

Same Dimension

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



649DD2



5EB2FF



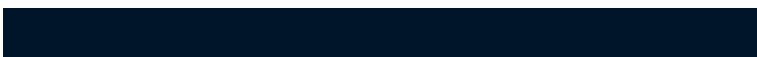
6468D2



5E6469



0057A8



001529

Inverse Universe

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



D2649D



FF5EB2



D2CE64



695E64



A80057



290015

Previews

White Background



This preview shows how the Hex color 649DD2 looks on a white background.

Color Contrast Check

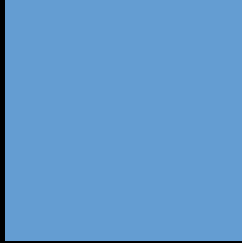
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Hex color 649DD2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

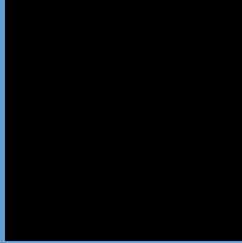
Any Text WCAG AA ✓ Pass

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](#).

Hex 649DD2 Background



This preview shows how black text looks on a background with the Hex color 649DD2.

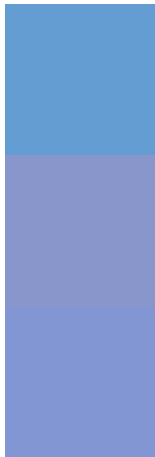


This preview shows how white text looks on a background with the Hex color 649DD2.

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
649DD2

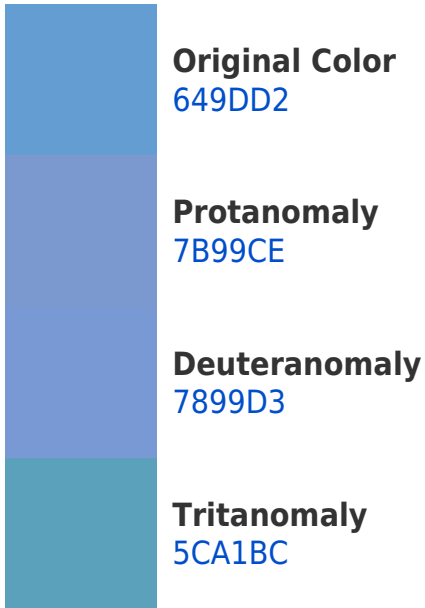
Protanopia
8896CC

Deuteranopia
8396D4

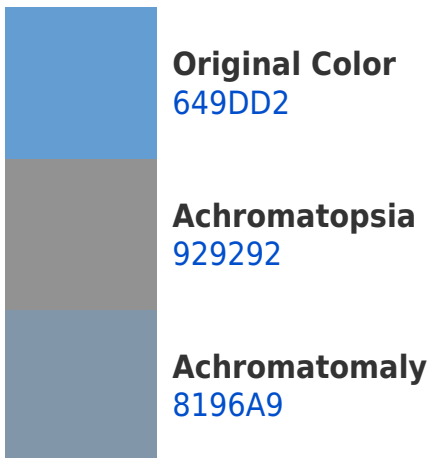


Tritanopia
58A3B0

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 649DD2 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 #649DD2 looks like.

```
.text, #text, p{  
    color:#649DD2  
}
```

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 #649DD2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #649DD2
}
```

Border

The CSS property to change the border of an element to Hex 649DD2 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
#649DD2 }
```

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

```
.border{ border-color:#649DD2 }
```

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

Here you see how a box with a 4 pixel #649DD2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #649DD2; -webkit-box-shadow:4px 4px  
4px 4px #649DD2; box-shadow:4px 4px 4px  
4px #649DD2 }
```

Background

The CSS property to change the background color of an element to Hex 649DD2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#649DD2 }
```

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

```
.background{ background-color:#649DD2 }
```

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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