

# Converting Colors

Hex(2563AB)

Have a look what the booklet for  
Hex(2563AB) contains.

<b>Hex(2563AB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2563AB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2563AB
RGB	37, 99, 171
RGB Percent	15%, 39%, 67%
CMY	0.8549, 0.6118, 0.3294
CMYK	0.78, 0.42, 0.00, 0.33
HSL	212°, 64%, 41%
HSV	212°, 78%, 67%
XYZ	12.5755, 12.2573, 40.2312
YIQ	88.6700, -60.0640, 9.2480

# Conversions

## Conversions Part 2

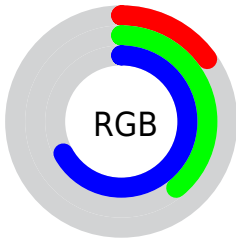
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 79, 171
Decimal	2450347
CIELab	41.62, 6.41, -44.17
CIElCh	42, 44.629, 278.256
Yxy	12.2573, 0.1933, 0.1884
Android (android.graphics.Color)	4280640427 (0xFF2563AB)
YUV	88.6700, 40.5887, -45.3146
Hunter-Lab	35.0104, 2.8477, -43.6241




# Details

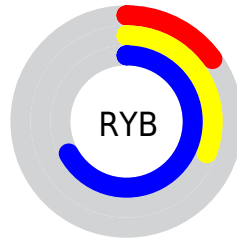
The Hex color **2563AB** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AB6D25**, and the grayscale version is **585858**.




A 20% lighter version of the original color is **6695E3**, and **003576** is the 20% darker color. If you saturate the color by 10%, you get **145AAB**, and if you desaturate by 10%, it is **366CAB**.

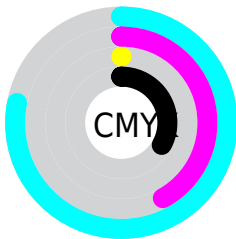
# Distribution







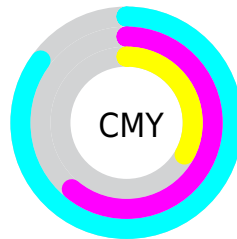
-  Red (15%)
-  Green (39%)
-  Blue (67%)






-  Red (15%)
-  Yellow (31%)
-  Blue (67%)



-  Cyan (78%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (85%)
-  Magenta (61%)
-  Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2563AB 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 2563AB by changing the saturation by 10% instead.



■ 2563AB

■ 2563AB

FFFFFF

■ 004B90

■ 6695E3

■ 003576

■ 83B0FF

■ 00215D

■ A0CBFF

■ 000845

■ BEE7FF

■ 00042E

■ DBFFFF

■ 000118

■ F9FFFF

■ 000000

■ 2563AB

■ 2563AB

■ 145AAB

■ 366CAB

■ 0351AB

■ 4775AB

■ 004FAB

■ 587FAB

■ 6988AB

■ 7A91AB

■ 8C9AAB

■ 9DA3AB

■ AEADAB

■ BFB6AB

# Harmonies

## Analogous

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



006DA6



2563AB



71549C

# Triad

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



2563AB



9F4837



007246

# Complementary

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



2563AB



AB6D25

# 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.



446D24



2563AB



8B561B

# Square

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



2563AB



A53F5A



6C6410



00746C

# Rectangle

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



2563AB



8C4989



6C6410



1C713A



# Sweetspot

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



2563AB



A9C1DE



25AB6C



505F70



F0F0F0



707070



# Same Dimension

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



2563AB



0D6EDE



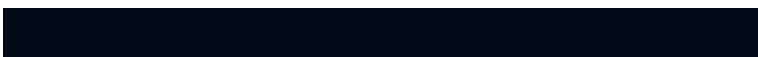
2925AB



4E5257



004696



000B17



# Inverse Universe

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



AB2563



DE0D6E



A7AB25



574E52



960046



17000B



# Previews

## White Background



This preview shows how the Hex color 2563AB 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



This preview shows how the Hex color 2563AB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

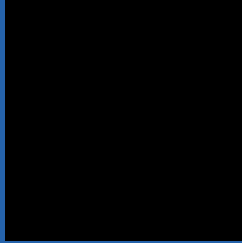
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2563AB Background



This preview shows how black text looks on a background with the Hex color 2563AB.



This preview shows how white text looks on a background with the Hex color 2563AB.

# 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**  
2563AB

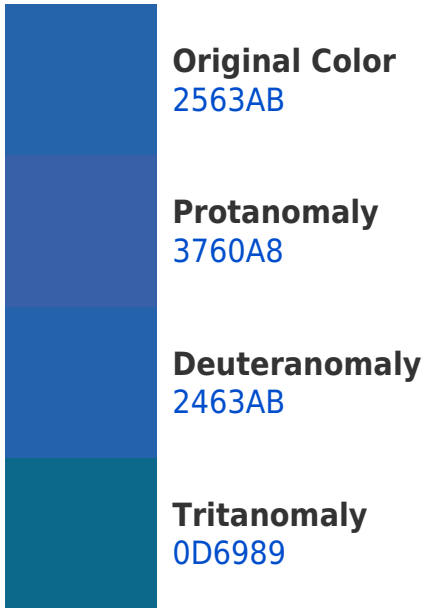
**Protanopia**  
425FA7

**Deuteranopia**  
2463AB

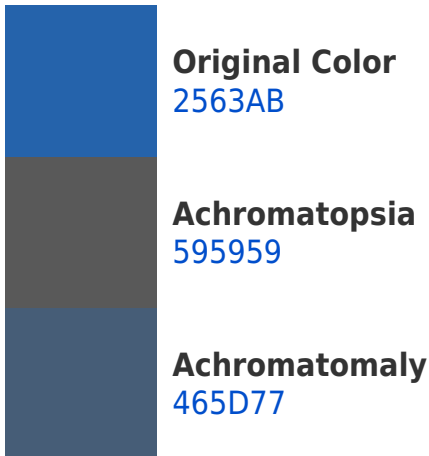


**Tritanopia**  
006D75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2563AB 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 #2563AB looks like.

```
.text, #text, p{  
    color:#2563AB  
}
```

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 #2563AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2563AB
}
```

## Border

The CSS property to change the border of an element to Hex 2563AB 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
#2563AB }
```

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

```
.border{ border-color:#2563AB }
```

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

Here you see how a box with a 4 pixel #2563AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2563AB; -webkit-box-shadow:4px 4px  
4px 4px #2563AB; box-shadow:4px 4px 4px  
4px #2563AB }
```

# Background

The CSS property to change the background color of an element to Hex 2563AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2563AB }
```

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

```
.background{ background-color:#2563AB }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor