

# Converting Colors

Hex(2E55A5)

Have a look what the booklet for  
Hex(2E55A5) contains.

<b>Hex(2E55A5)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(2E55A5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E55A5
RGB	46, 85, 165
RGB Percent	18%, 33%, 65%
CMY	0.8196, 0.6667, 0.3529
CMYK	0.72, 0.48, 0.00, 0.35
HSL	220°, 56%, 41%
HSV	220°, 72%, 65%
XYZ	11.1667, 9.7945, 36.8993
YIQ	82.4590, -48.9240, 16.6120

# Conversions

## Conversions Part 2

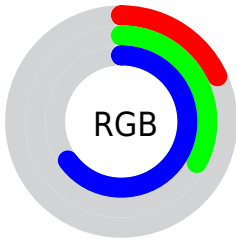
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 75, 165
Decimal	3036581
CIE <sub>Lab</sub>	37.47, 14.41, -47.25
CIE <sub>LCh</sub>	37, 49.395, 286.960
Yxy	9.7945, 0.1930, 0.1693
Android (android.graphics.Color)	4281226661 (0xFF2E55A5)
YUV	82.4590, 40.6927, -31.9745
Hunter-Lab	31.2961, 8.9223, -47.9979

# Details

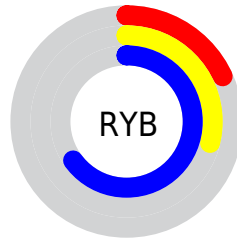
The Hex color **2E55A5** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **A57E2E**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **6B86DD**, and **002970** is the 20% darker color. If you saturate the color by 10%, you get **1D4AA5**, and if you desaturate by 10%, it is **3E60A5**.

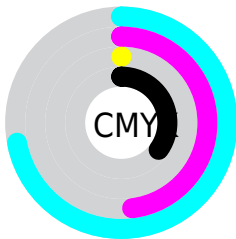
# Distribution



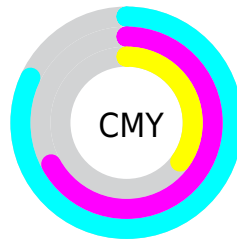
- Red (18%)
- Green (33%)
- Blue (65%)



- Red (18%)
- Yellow (29%)
- Blue (65%)



- Cyan (72%)
- Magenta (48%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (67%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E55A5 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 2E55A5 by changing the saturation by 10% instead.



■ 2E55A5

■ 2E55A5

FFFFFF

■ 003E8A

■ 6B86DD

■ 002970

■ 88A0F9

■ 001657

■ A4BBFF

■ 00043F

■ C1D7FF

■ 000329

■ DEF3FF

■ 000112

■ FCFFF

■ 000000

■ 2E55A5

■ 2E55A5

■ 1D4AA5

■ 3E60A5

■ 0D3FA5

■ 4F6BA5

■ 0036A5

■ 5F76A5

■ 7081A5

■ 818CA5

■ 9198A5

■ A1A3A5

■ B2AEA5

■ C2B9A5

# Harmonies

## Analogous

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



0062A6



2E55A5



76438F

# Triad

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



2E55A5



933E1E



006945

# Complementary

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



2E55A5



A57E2E

# 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.



23651C



2E55A5



795000

# Square

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



2E55A5



9F2F43



555D00



006A6E

# Rectangle

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



2E55A5



8F3678



555D00



006837



# Sweetspot

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



2E55A5



A7B7D6



2EA57D



4F586B



EBEBEB



6B6B6B



# Same Dimension

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



2E55A5



1C59D6



422EA5



494C52



003091



000612



# Inverse Universe

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



A52E55



D61C59



91A52E



52494C



910030



120006



# Previews

## White Background



This preview shows how the Hex color 2E55A5 looks on a white background.

## Color Contrast Check

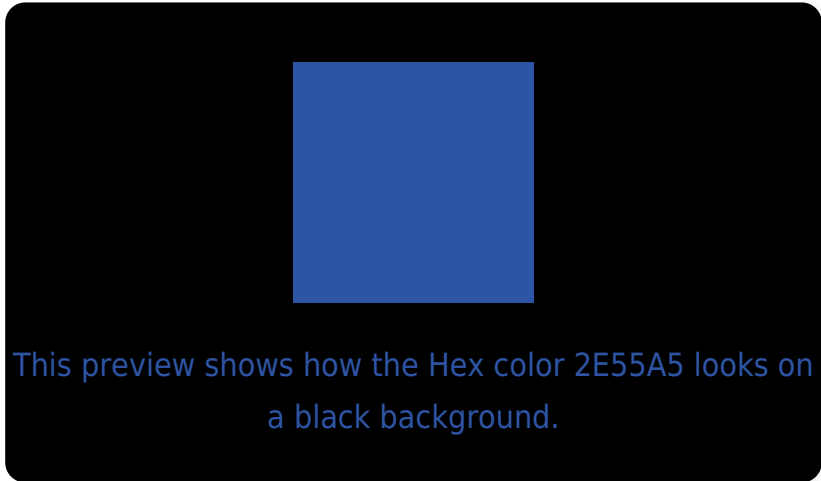
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

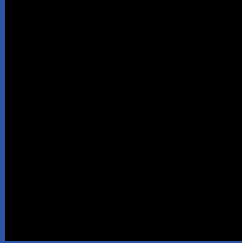
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E55A5 Background



This preview shows how black text looks on a background with the Hex color 2E55A5.

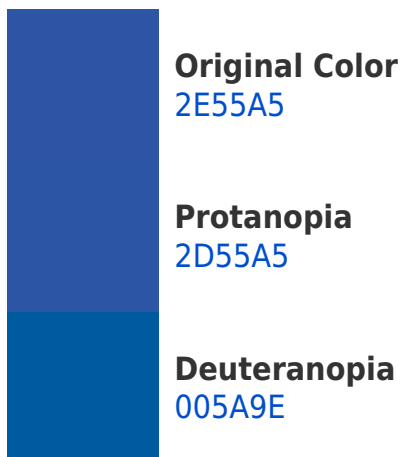


This preview shows how white text looks on a background with the Hex color 2E55A5.

# Color Blindness Simulation

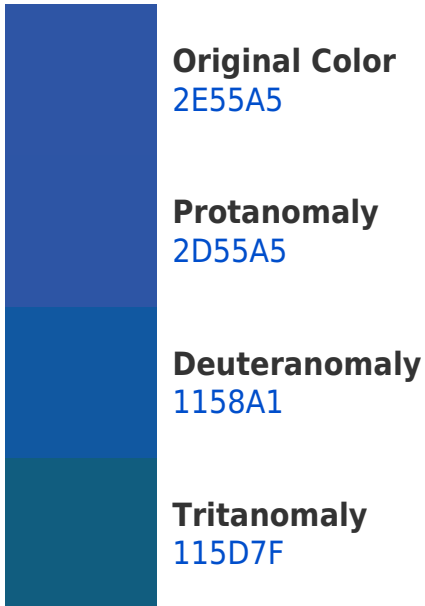
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

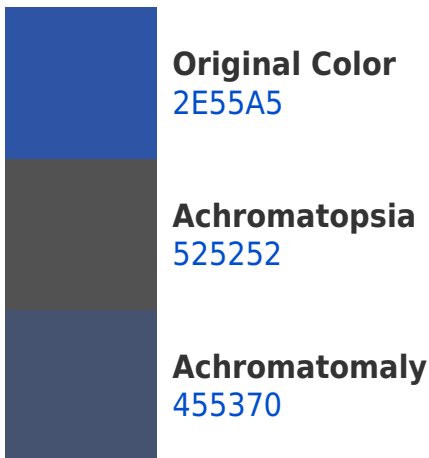




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E55A5 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 #2E55A5 looks like.

```
.text, #text, p{  
    color:#2E55A5  
}
```

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 #2E55A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E55A5
}
```

## Border

The CSS property to change the border of an element to Hex 2E55A5 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
#2E55A5 }
```

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

```
.border{ border-color:#2E55A5 }
```

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

Here you see how a box with a 4 pixel #2E55A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E55A5; -webkit-box-shadow:4px 4px  
4px 4px #2E55A5; box-shadow:4px 4px 4px  
4px #2E55A5 }
```

# Background

The CSS property to change the background color of an element to Hex 2E55A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E55A5 }
```

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

```
.background{ background-color:#2E55A5 }
```

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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