Converting Colors

RGB(34, 65, 221)

Have a look what the booklet for RGB(34, 65, 221) contains.

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Color

RGB(34, 65, 221)

Conversions

Conversions Part 1

Format	Color
Hex	2241DD
RGB	34, 65, 221
RGB Percent	13%, 25%, 87%
CMY	0.8667, 0.7451, 0.1333
CMYK	0.85, 0.71, 0.00, 0.13
HSL	230°, 73%, 50%
HSV	230°, 85%, 87%
XYZ	15.6011, 9.3411, 69.3874
YIQ	73.5150, -68.5520, 41.9440

Conversions

Conversions Part 2

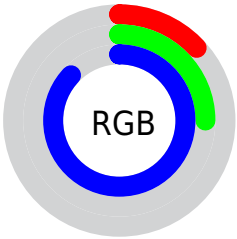
Format	Color
RYB	34, 61, 221
Decimal	2245085
CIELab	36.63, 46.90, -81.36
CIELCh	37, 93.911, 299.959
Yxy	9.3411, 0.1654, 0.0990
Android (android.graphics.Color)	4280435165 (0xFF2241DD)
YUV	73.5150, 72.7101, -34.6547
Hunter-Lab	30.5633, 37.6302, -113.2110

Details

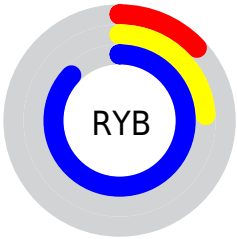
The RGB color 34, 65, 221 is a dark color, and the websafe version is hex 0033CC. The color can be described as dark washed blue. A complement of this color would be 221, 190, 34, and the grayscale version is 73, 73, 73.

A 20% lighter version of the original color is 116, 113, 255, and 0, 22, 164 is the 20% darker color. If you saturate the color by 10%, you get 12, 47, 221, and if you desaturate by 10%, it is 56, 83, 221.

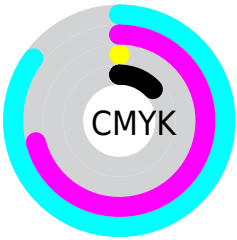
Distribution



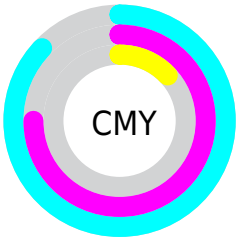
- Red (13%)
- Green (25%)
- Blue (87%)



- Red (13%)
- Yellow (24%)
- Blue (87%)



- Cyan (85%)
- Magenta (71%)
- Yellow (0%)
- Black (13%)



- Cyan (87%)
- Magenta (75%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 34, 65, 221 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 RGB color 34, 65, 221 by changing the saturation by 10% instead.

34, 65, 221	34, 65, 221
255, 255, 255	0, 43, 192
116, 113, 255	0, 22, 164
148, 139, 255	0, 5, 137
180, 166, 255	0, 0, 111
211, 193, 255	0, 12, 85
242, 221, 255	0, 6, 61
255, 250, 255	0, 3, 38
	0, 1, 15
	0, 0, 0

34, 65, 221

12, 47, 221

0, 37, 221

34, 65, 221

56, 83, 221

78, 102, 221

100, 120, 221

122, 139, 221

145, 157, 221

167, 176, 221

189, 194, 221

211, 212, 221

233, 231, 221

Harmonies

Analogous

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

0, 99, 242

34, 65, 221

170, 0, 164

Triad

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

34, 65, 221

162, 43, 0

0, 112, 84

Complementary

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

34, 65, 221

221, 190, 34

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.

0, 109, 0

34, 65, 221

106, 84, 0

Square

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

34, 65, 221

199, 0, 17

0, 102, 0

0, 114, 161

Rectangle

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

34, 65, 221

200, 0, 115

0, 102, 0

0, 111, 57

Sweetspot

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

34, 65, 221

191, 202, 255

34, 221, 190

89, 96, 128

0, 0, 0

128, 128, 128

Same Dimension

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

34, 65, 221

0, 42, 255

96, 34, 221

99, 101, 110

0, 29, 173

0, 8, 46

Inverse Universe

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

221, 34, 65

255, 0, 42

159, 221, 34

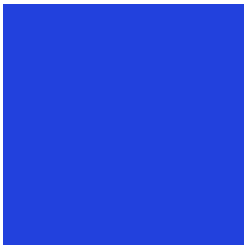
110, 99, 101

173, 0, 29

46, 0, 8

Previews

White Background

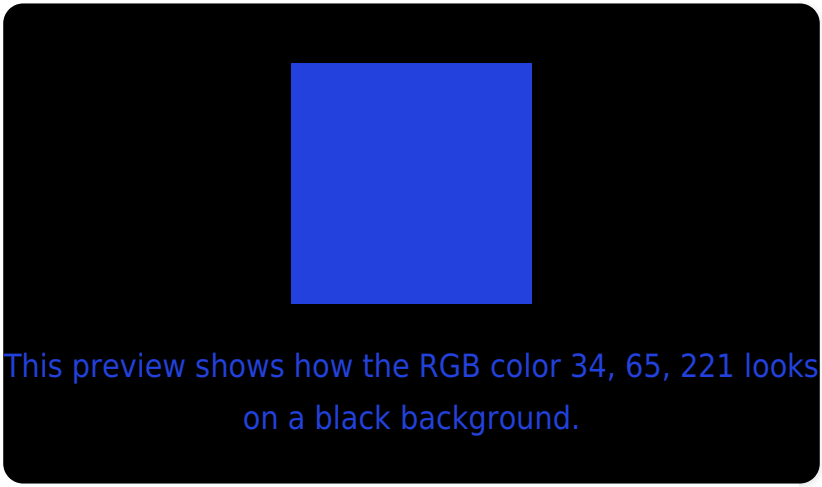


This preview shows how the RGB color 34, 65, 221 looks on a white background.

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



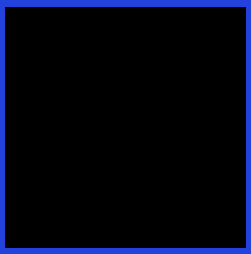
This preview shows how the RGB color 34, 65, 221 looks on a black background.

Color Contrast Check

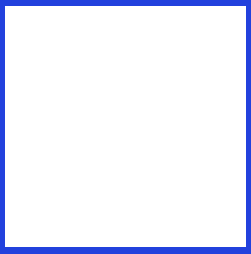
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 34, 65, 221 Background



This preview shows how black text looks on a background with the RGB color 34, 65, 221.



This preview shows how white text looks on a background with the RGB color 34, 65, 221.

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

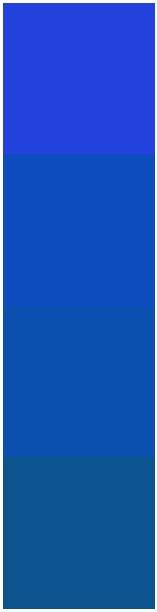
Original Color
34, 65, 221

Protanopia
0, 82, 174

Deuteranopia
0, 88, 148

Tritanopia
0, 95, 100

Trichromacy



Original Color
34, 65, 221

Protanomaly
12, 76, 191

Deuteranomaly
12, 80, 175

Tritanomaly
12, 84, 144

Monochromacy

Original Color
34, 65, 221

Achromatopsia
74, 74, 74

Achromatomaly
59, 71, 127

CSS Examples

Text

The CSS property to change the color of the text to RGB 34, 65, 221 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 rgb(34, 65, 221) looks like.

```
.text, #text, p{
    color:rgb(34, 65, 221)
}
```

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 rgb(34, 65, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 65, 221) }
```

Border

The CSS property to change the border of an element to RGB 34, 65, 221 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 rgb(34, 65, 221) }
```

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

```
.border{ border-color:rgb(34, 65, 221) }
```

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

Here you see how a box with a 4 pixel rgb(34, 65, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 65, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 65, 221); box-shadow:4px 4px 4px 4px rgb(34, 65, 221) }
```

Background

The CSS property to change the background color of an element to RGB 34, 65, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(34, 65, 221) }
```

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

```
.background{ background-color:rgb(34, 65,
221) }
```

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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