

Converting Colors

RGB(33, 79, 150)

Have a look what the booklet for
RGB(33, 79, 150) contains.

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Color

RGB(33, 79, 150)

Conversions

Conversions Part 1

Format	Color
Hex	214F96
RGB	33, 79, 150
RGB Percent	13%, 31%, 59%
CMY	0.8706, 0.6902, 0.4118
CMYK	0.78, 0.47, 0.00, 0.41
HSL	216°, 64%, 36%
HSV	216°, 78%, 59%
XYZ	8.9282, 8.1173, 29.9504
YIQ	73.3400, -50.2070, 12.3290

Conversions

Conversions Part 2

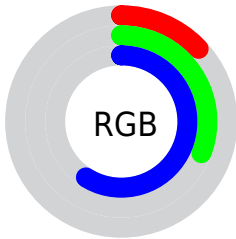
Format	Color
R _Y B	33, 66, 150
Decimal	2183062
CIE Lab	34.23, 10.80, -43.47
CIE LCh	34, 44.794, 283.948
Yxy	8.1173, 0.1900, 0.1727
Android (android.graphics.Color)	4280373142 (0xFF214F96)
YUV	73.3400, 37.7934, -35.3782
Hunter-Lab	28.4909, 6.0776, -42.3836

Details

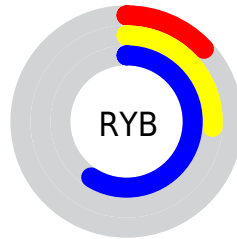
The RGB color **33, 79, 150** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **150, 104, 33**, and the grayscale version is **73, 73, 73**.

A 20% lighter version of the original color is **96, 128, 205**, and **0, 36, 98** is the 20% darker color. If you saturate the color by 10%, you get **18, 70, 150**, and if you desaturate by 10%, it is **48, 88, 150**.

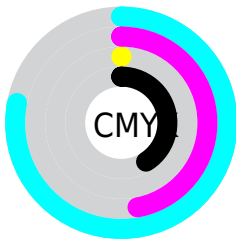
Distribution



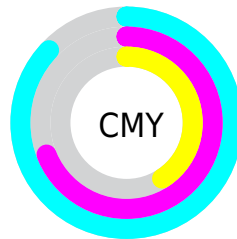
- Red (13%)
- Green (31%)
- Blue (59%)



- Red (13%)
- Yellow (26%)
- Blue (59%)



- Cyan (78%)
- Magenta (47%)
- Yellow (0%)
- Black (41%)



- Cyan (87%)
- Magenta (69%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the RGB color 33, 79, 150 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 33, 79, 150 by changing the saturation by 10% instead.

 33, 79, 150  33, 79, 150

255, 255, 255  0, 57, 124

 96, 128, 205  0, 36, 98

 124, 153, 233  0, 15, 74

 152, 180, 255  0, 4, 51

 181, 208, 255  0, 2, 29

 210, 236, 255  0, 0, 0

 239, 255, 255

 33, 79, 150  33, 79, 150

 18, 70, 150  48, 88, 150

■ 3, 61, 150

■ 63, 97, 150

■ 0, 59, 150

■ 78, 106, 150

■ 93, 115, 150

■ 108, 125, 150

■ 123, 134, 150

■ 138, 143, 150

■ 153, 152, 150

■ 168, 161, 150

Harmonies

Analogous

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



0, 90, 149



33, 79, 150



103, 63, 132

Triad

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



33, 79, 150



135, 56, 32



0, 96, 59

Complementary

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



33, 79, 150



150, 104, 33

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.



40, 92, 24



33, 79, 150



113, 72, 1

Square

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



33, 79, 150



144, 44, 65



82, 84, 0



0, 97, 97

Rectangle

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



33, 79, 150



127, 52, 112



82, 84, 0



0, 95, 47

Sweetspot

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



33, 79, 150



149, 167, 194



33, 150, 103



70, 80, 97



224, 224, 224



97, 97, 97

Same Dimension

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



33, 79, 150



12, 83, 194



45, 33, 150



67, 69, 74



0, 54, 138



0, 4, 10

Inverse Universe

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



150, 33, 79



194, 12, 83



138, 150, 33



74, 67, 69



138, 0, 54



10, 0, 4

Previews

White Background



This preview shows how the RGB color 33, 79, 150 looks on a white background.

Color Contrast Check

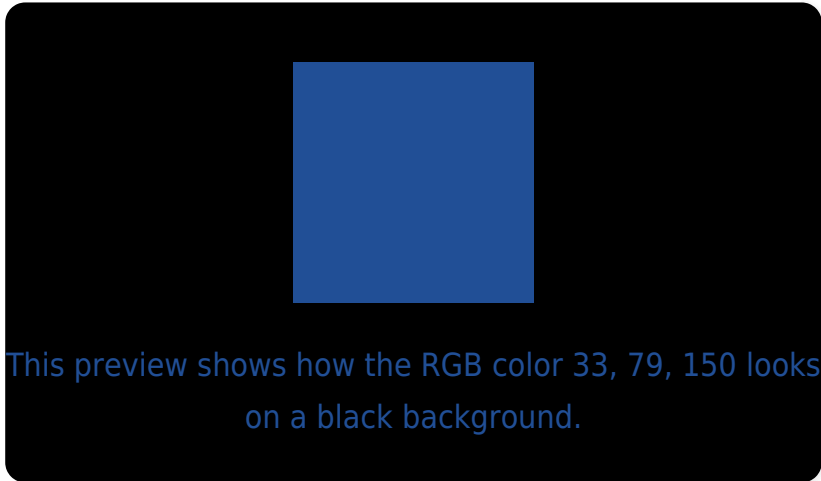
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RGB 33, 79, 150 Background



This preview shows how black text looks on a background with the RGB color 33, 79, 150.



This preview shows how white text looks on a background with the RGB color 33, 79, 150.

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


33, 79, 150

Protanopia

43, 78, 149

Deuteranopia

0, 82, 144



Tritanopia
0, 89, 96

Trichromacy



Original Color

33, 79, 150

Protanomaly

39, 78, 149

Deuteranomaly

12, 81, 146

Tritanomaly

12, 85, 116

Monochromacy



Original Color

33, 79, 150

Achromatopsia

73, 73, 73

Achromatomaly

58, 75, 101

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 79, 150 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(33, 79, 150)` looks like.

```
.text, #text, p{  
    color:rgb(33, 79, 150)  
}
```

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(33, 79, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 79, 150) }
```

Border

The CSS property to change the border of an element to RGB 33, 79, 150 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(33, 79, 150) }
```

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

```
.border{ border-color:rgb(33, 79, 150) }
```

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

Here you see how a box with a 4 pixel rgb(33, 79, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 79, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 79, 150);  
box-shadow:4px 4px 4px 4px rgb(33, 79,  
150) }
```

Background

The CSS property to change the background color of an element to RGB 33, 79, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 79, 150) }
```

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

```
.background{ background-color: rgb(33, 79,  
150) }
```

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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