

Converting Colors

`RYB(31, 99, 201)`

Have a look what the booklet for
RYB(31, 99, 201) contains.

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Color

R_YB(31, 99, 201)

Conversions

Conversions Part 1

Format	Color
Hex	1F90C9
RGB	31, 144, 201
RGB Percent	12%, 56%, 79%
CMY	0.8784, 0.4340, 0.2118
CMYK	0.85, 0.28, 0.00, 0.21
HSL	200°, 73%, 45%
HSV	200°, 85%, 79%
XYZ	21.1315, 24.5560, 58.8844
YIQ	116.7110, -85.6450, -6.2290

Conversions

Conversions Part 2

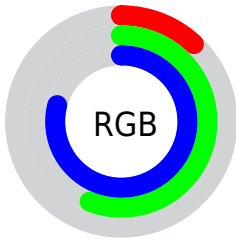
Format	Color
R_{YB}	31, 99, 201
Decimal	2068681
CIE _{Lab}	56.64, -10.20, -37.70
CIE _{LCh}	57, 39.060, 254.857
Yxy	24.5560, 0.2021, 0.2348
Android (android.graphics.Color)	4280258761 (0xFF1F90C9)
YUV	116.7110, 41.5545, -75.1685
Hunter-Lab	49.5540, -10.6011, -35.7657

Details

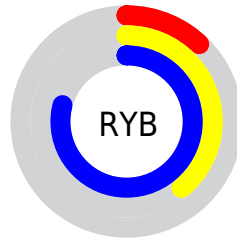
The RYB color **31, 99, 201** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **201, 117, 31**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **107, 163, 255**, and **0, 57, 147** is the 20% darker color. If you saturate the color by 10%, you get **11, 87, 201**, and if you desaturate by 10%, it is **51, 111, 201**.

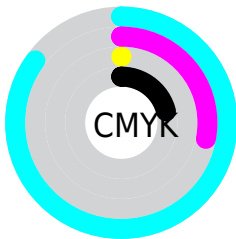
Distribution



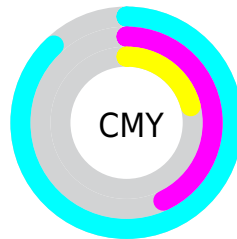
- Red (12%)
- Green (56%)
- Blue (79%)



- Red (12%)
- Yellow (39%)
- Blue (79%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)
- Black (21%)




















- Cyan (88%)
- Magenta (43%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 99, 201 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 RYB color 31, 99, 201 by changing the saturation by 10% instead.

 31, 99, 201	 31, 99, 201
 255, 255, 255	 0, 71, 173
 107, 163, 255	 0, 57, 147
 138, 188, 255	 0, 45, 121
 168, 212, 255	 0, 32, 96
 198, 227, 255	 0, 21, 71
 229, 242, 255	 0, 4, 49
	 0, 1, 27
	 0, 0, 0

 31, 99, 201  31, 99, 201

■ 11, 87, 201

■ 51, 111, 201

■ 0, 80, 201

■ 71, 123, 201

■ 91, 135, 201

■ 111, 147, 201

■ 132, 160, 201

■ 152, 172, 201

■ 172, 183, 201

■ 192, 196, 201

■ 212, 207, 201

Harmonies

Analogous

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



0, 83, 183



31, 99, 201



111, 129, 201

Triad

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



31, 99, 201



201, 108, 120



86, 148, 132

Complementary

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



31, 99, 201



201, 117, 31

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.



69, 140, 68



31, 99, 201



193, 125, 89

Square

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



31, 99, 201



190, 110, 155



145, 171, 70



52, 113, 152

Rectangle

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



31, 99, 201



146, 125, 192



145, 171, 70



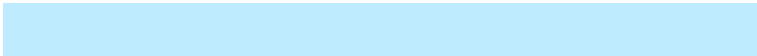
78, 145, 107

Sweetspot

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



31, 99, 201



191, 217, 255



31, 158, 201



89, 105, 128



0, 0, 0



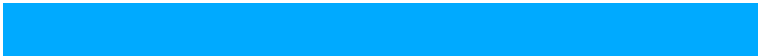
128, 128, 128

Same Dimension

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



31, 99, 201



0, 102, 255



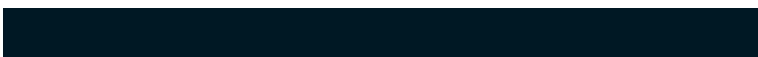
31, 55, 201



90, 94, 99



0, 65, 163



0, 14, 36

Inverse Universe

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



201, 31, 144



255, 0, 170



65, 201, 31



99, 90, 96



163, 0, 109



36, 0, 24

Previews

White Background



This preview shows how the RYB color 31, 99, 201 looks on a white 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

Black Background



This preview shows how the RYB color 31, 99, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

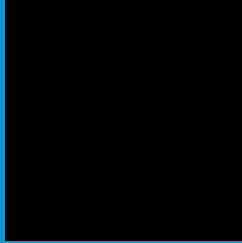
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 31, 99, 201 Background



This preview shows how black text looks on a background with the R Y B color 31, 99, 201.

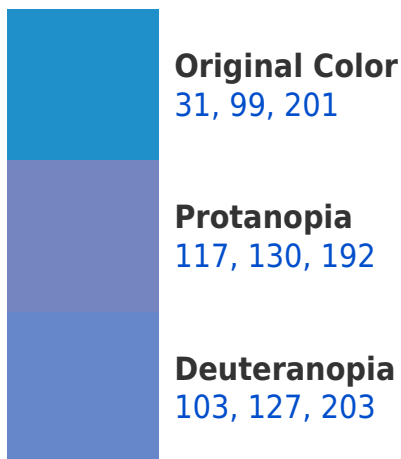


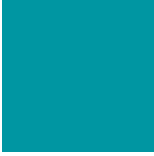
This preview shows how white text looks on a background with the R Y B color 31, 99, 201.

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



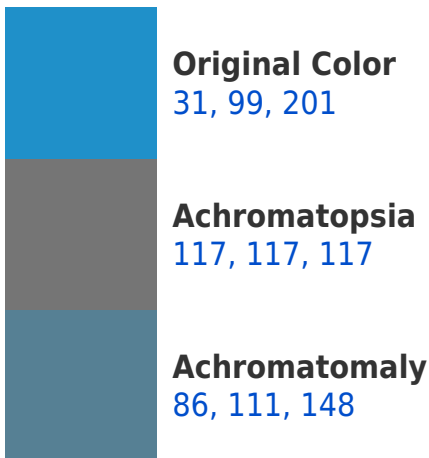


Tritanopia
0, 78, 162

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 99, 201 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(31, 144, 201)` looks like.

```
.text, #text, p{  
    color:rgb(31, 144, 201)  
}
```

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(31, 144, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 144, 201) }
```

Border

The CSS property to change the border of an element to RYB 31, 99, 201 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(31, 144, 201) }
```

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

```
.border{ border-color:rgb(31, 144, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 144, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 144, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 144, 201);  
box-shadow:4px 4px 4px 4px rgb(31, 144,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 31, 99, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 144, 201) }
```

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

```
.background{ background-color: rgb(31, 144,  
201) }
```

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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