

# Converting Colors

`RYB(32, 78, 143)`

Have a look what the booklet for  
RYB(32, 78, 143) contains.

<b>RYB(32, 78, 143)</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

**R<sub>Y</sub>B(32, 78, 143)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	206F8F
RGB	32, 111, 143
RGB Percent	13%, 44%, 56%
CMY	0.8745, 0.5665, 0.4392
CMYK	0.78, 0.23, 0.00, 0.44
HSL	198°, 63%, 34%
HSV	198°, 78%, 56%
XYZ	11.1895, 13.5620, 28.0146
YIQ	91.0270, -57.3560, -6.7960

# Conversions

## Conversions Part 2

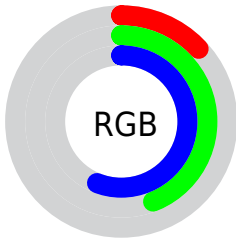
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 78, 143
Decimal	2125711
CIE <sub>Lab</sub>	43.60, -11.84, -24.45
CIE <sub>LCh</sub>	44, 27.164, 244.170
Yxy	13.5620, 0.2121, 0.2570
Android (android.graphics.Color)	4280315791 (0xFF206F8F)
<b>YUV</b>	91.0270, 25.6227, -51.7667
Hunter-Lab	36.8266, -10.2108, -19.3242

# Details

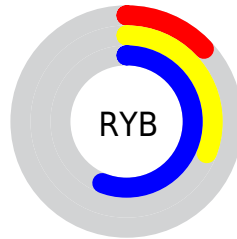
The RYB color **32, 78, 143** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **143, 77, 32**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **94, 135, 197**, and **0, 38, 93** is the 20% darker color. If you saturate the color by 10%, you get **18, 70, 143**, and if you desaturate by 10%, it is **46, 86, 143**.

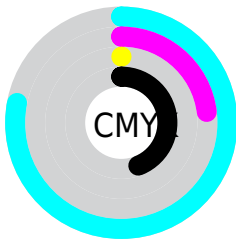
# Distribution



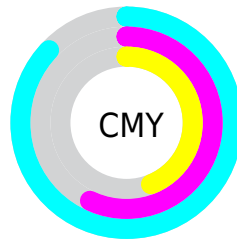
- Red (13%)
- Green (44%)
- Blue (56%)



- Red (13%)
- Yellow (31%)
- Blue (56%)



- Cyan (78%)
- Magenta (23%)
- Yellow (0%)
- Black (44%)



- Cyan (87%)
- Magenta (57%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 32, 78, 143 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 32, 78, 143 by changing the saturation by 10% instead.





32, 78, 143



32, 78, 143

255, 255, 255



0, 50, 117



94, 135, 197



0, 38, 93



122, 163, 225



0, 26, 69



151, 191, 254



0, 14, 46



179, 214, 255



0, 1, 25



208, 232, 255



0, 0, 0



237, 246, 255



32, 78, 143



32, 78, 143



18, 70, 143



46, 86, 143

■ 3, 61, 143

■ 61, 95, 143

■ 0, 59, 143

■ 75, 103, 143

■ 89, 111, 143

■ 104, 120, 143

■ 118, 128, 143

■ 132, 137, 143

■ 146, 145, 143

■ 161, 150, 143

# Harmonies

## Analogous

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



0, 60, 128



32, 78, 143



75, 96, 148

# Triad

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



32, 78, 143



146, 85, 101



65, 109, 83

# Complementary

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



32, 78, 143



143, 77, 32

# 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.



73, 115, 58



32, 78, 143



145, 89, 79

# Square

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



32, 78, 143



134, 89, 123



134, 121, 63



63, 99, 113

# Rectangle

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



32, 78, 143



99, 99, 144



134, 121, 63



61, 107, 69



# Sweetspot

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



32, 78, 143



143, 161, 186



32, 119, 143



68, 79, 94



222, 222, 222



94, 94, 94



# Same Dimension

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



32, 78, 143



13, 85, 186



32, 52, 143



64, 67, 71



0, 56, 135



0, 3, 8



# Inverse Universe

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



143, 32, 111



186, 13, 136



63, 143, 32



71, 64, 69



135, 0, 96



8, 0, 5



# Previews

## White Background



This preview shows how the RYB color 32, 78, 143 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 RYB color 32, 78, 143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

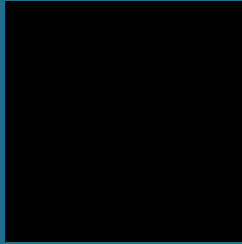
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYP 32, 78, 143 Background



This preview shows how black text looks on a background with the RYP color 32, 78, 143.

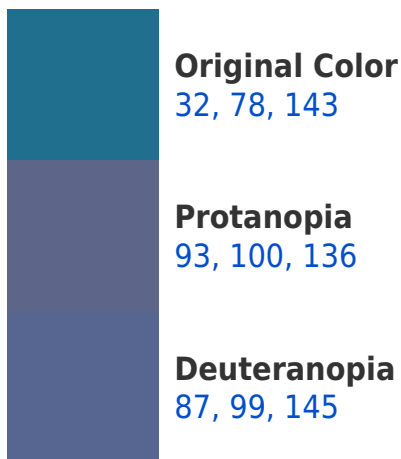



This preview shows how white text looks on a background with the RYP color 32, 78, 143.

# 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



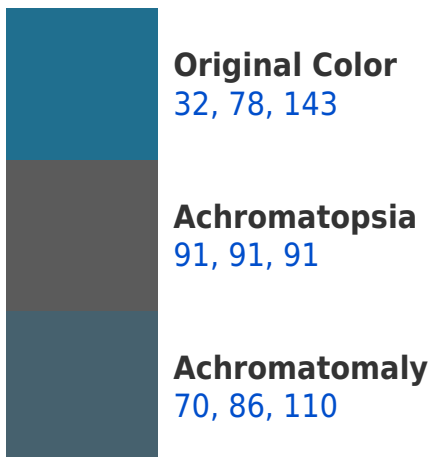


**Tritanopia**  
0, 59, 123

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 32, 78, 143 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(32, 111, 143)` looks like.

```
.text, #text, p{  
    color:rgb(32, 111, 143)  
}
```

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(32, 111, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 111, 143) }
```

## Border

The CSS property to change the border of an element to RYB 32, 78, 143 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(32, 111, 143) }
```

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

```
.border{ border-color:rgb(32, 111, 143) }
```

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

Here you see how a box with a 4 pixel rgb(32, 111, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 111, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 111, 143);  
box-shadow:4px 4px 4px 4px rgb(32, 111,  
143) }
```

# Background

The CSS property to change the background color of an element to RYB 32, 78, 143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 111, 143) }
```

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

```
.background{ background-color: rgb(32, 111,  
143) }
```

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