

Converting Colors

`RYB(44, 91, 155)`

Have a look what the booklet for
RYB(44, 91, 155) contains.

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Color

RYB(44, 91, 155)

Conversions

Conversions Part 1

Format	Color
Hex	2C7E9B
RGB	44, 126, 155
RGB Percent	17%, 49%, 61%
CMY	0.8275, 0.5078, 0.3922
CMYK	0.72, 0.19, 0.00, 0.39
HSL	196°, 56%, 39%
HSV	196°, 72%, 61%
XYZ	14.3542, 17.7002, 33.6703
YIQ	104.7880, -58.1810, -8.3650

Conversions

Conversions Part 2

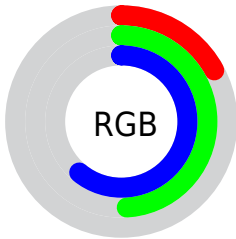
Format	Color
R_{YB}	44, 91, 155
Decimal	2915995
CIE _{Lab}	49.13, -14.47, -22.95
CIE _{LCh}	49, 27.132, 237.775
Yxy	17.7002, 0.2184, 0.2693
Android (android.graphics.Color)	4281106075 (0xFF2C7E9B)
YUV	104.7880, 24.7545, -53.3111
Hunter-Lab	42.0716, -12.7238, -18.0003

Details

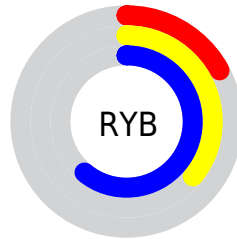
The RYB color **44, 91, 155** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **155, 83, 44**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **104, 148, 210**, and **0, 44, 104** is the 20% darker color. If you saturate the color by 10%, you get **29, 82, 155**, and if you desaturate by 10%, it is **60, 100, 155**.

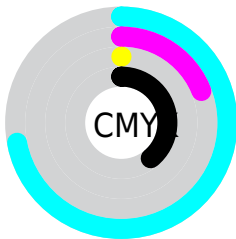
Distribution



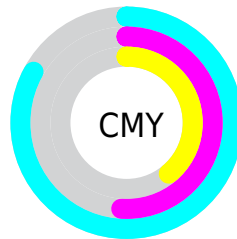
- Red (17%)
- Green (49%)
- Blue (61%)



- Red (17%)
- Yellow (36%)
- Blue (61%)



- Cyan (72%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (83%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 44, 91, 155 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 44, 91, 155 by changing the saturation by 10% instead.


 44, 91, 155  44, 91, 155


255, 255, 255  0, 56, 129

 104, 148, 210  0, 44, 104

 133, 176, 238  0, 32, 80

 161, 202, 255  0, 21, 56

 190, 223, 255  0, 2, 35

 219, 237, 255  0, 0, 10

 249, 252, 255  0, 0, 0

 44, 91, 155  44, 91, 155

 29, 82, 155  60, 100, 155

■ 13, 73, 155

■ 75, 109, 155

■ 0, 66, 155

■ 91, 118, 155

■ 106, 127, 155

■ 122, 136, 155

■ 137, 145, 155

■ 153, 154, 155

■ 168, 159, 155

■ 183, 166, 155

Harmonies

Analogous

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



29, 81, 137



44, 91, 155



81, 107, 162

Triad

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



44, 91, 155



159, 99, 119



75, 122, 87

Complementary

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



44, 91, 155



155, 83, 44

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.



98, 134, 71



44, 91, 155



161, 101, 96

Square

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



44, 91, 155



144, 104, 142



152, 124, 79



83, 120, 127

Rectangle

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



44, 91, 155



106, 113, 160



152, 124, 79



72, 120, 74

Sweetspot

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



44, 91, 155



159, 177, 201



44, 133, 155



77, 87, 102



230, 230, 230



102, 102, 102

Same Dimension

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



44, 91, 155



28, 101, 201



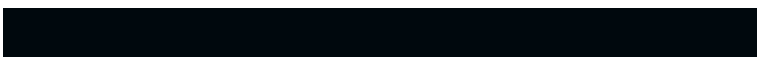
44, 66, 155



69, 72, 77



0, 59, 140



0, 5, 13

Inverse Universe

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



155, 44, 126



201, 28, 155



81, 155, 44



77, 69, 74



140, 0, 103



13, 0, 9

Previews

White Background



This preview shows how the RYB color 44, 91, 155 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 44, 91, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

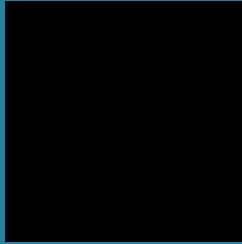
Any Text WCAG AA ✓ Pass

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 44, 91, 155 Background



This preview shows how black text looks on a background with the RYB color 44, 91, 155.

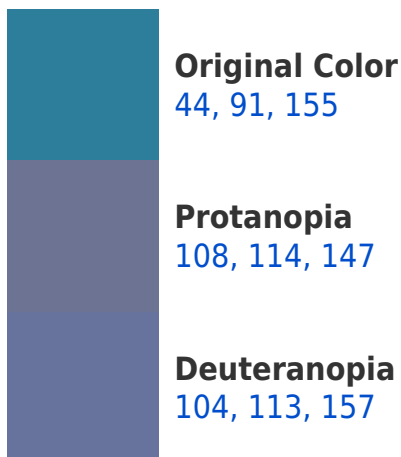


This preview shows how white text looks on a background with the RYB color 44, 91, 155.

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
32, 83, 139

Trichromacy



Original Color

44, 91, 155

Protanomaly

85, 107, 150

Deuteranomaly

82, 107, 156

Tritanomaly

36, 86, 145

Monochromacy



Original Color

44, 91, 155

Achromatopsia

105, 105, 105

Achromatomaly

83, 100, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 44, 91, 155 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(44, 126, 155)` looks like.

```
.text, #text, p{  
    color:rgb(44, 126, 155)  
}
```

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(44, 126, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 126, 155) }
```

Border

The CSS property to change the border of an element to RYB 44, 91, 155 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(44, 126, 155) }
```

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

```
.border{ border-color:rgb(44, 126, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 126, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 126, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 126, 155);  
box-shadow:4px 4px 4px 4px rgb(44, 126,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 44, 91, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 126, 155) }
```

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

```
.background{ background-color: rgb(44, 126,  
155) }
```

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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