

Converting Colors

`RYB(44, 88, 148)`

Have a look what the booklet for
RYB(44, 88, 148) contains.

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Color

R_YB(44, 88, 148)

Conversions

Conversions Part 1

Format	Color
Hex	2C7894
RGB	44, 120, 148
RGB Percent	17%, 47%, 58%
CMY	0.8275, 0.5284, 0.4196
CMYK	0.70, 0.19, 0.00, 0.42
HSL	196°, 54%, 38%
HSV	196°, 70%, 58%
XYZ	13.1326, 16.1708, 30.4461
YIQ	100.4680, -54.2840, -7.4040

Conversions

Conversions Part 2

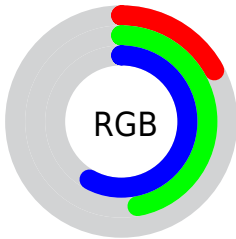
Format	Color
R _Y B	44, 88, 148
Decimal	2914452
CIE Lab	47.20, -13.92, -21.82
CIE LCh	47, 25.882, 237.475
Yxy	16.1708, 0.2198, 0.2706
Android (android.graphics.Color)	4281104532 (0xFF2C7894)
YUV	100.4680, 23.4333, -49.5224
Hunter-Lab	40.2129, -12.0786, -16.7408

Details

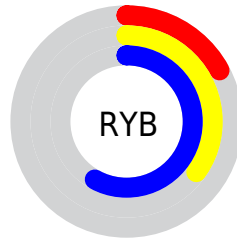
The RYB color **44, 88, 148** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **148, 82, 44**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **103, 144, 202**, and **0, 41, 97** is the 20% darker color. If you saturate the color by 10%, you get **29, 79, 148**, and if you desaturate by 10%, it is **59, 97, 148**.

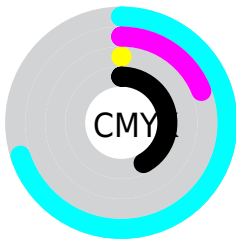
Distribution



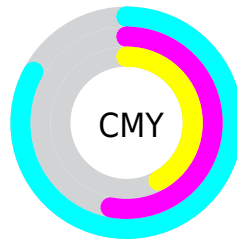
- Red (17%)
- Green (47%)
- Blue (58%)



- Red (17%)
- Yellow (35%)
- Blue (58%)



- Cyan (70%)
- Magenta (19%)
- Yellow (0%)
- Black (42%)



- Cyan (83%)
- Magenta (53%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 44, 88, 148 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, 88, 148 by changing the saturation by 10% instead.



44, 88, 148



44, 88, 148

255, 255, 255



0, 53, 122



103, 144, 202



0, 41, 97



131, 172, 230



0, 29, 73



159, 199, 255



0, 18, 51



188, 222, 255



0, 2, 30



217, 236, 255



0, 0, 0



246, 251, 255



44, 88, 148



44, 88, 148



29, 79, 148



59, 97, 148

■ 14, 71, 148

■ 74, 105, 148

■ 0, 63, 148

■ 88, 113, 148

■ 103, 122, 148

■ 118, 131, 148

■ 133, 139, 148

■ 148, 148, 148

■ 162, 154, 148

■ 177, 159, 148

Harmonies

Analogous

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



31, 79, 131



44, 88, 148



78, 103, 155

Triad

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



44, 88, 148



152, 95, 115



73, 117, 84

Complementary

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



44, 88, 148



148, 82, 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.



94, 128, 68



44, 88, 148



154, 97, 93

Square

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



44, 88, 148



138, 100, 136



145, 118, 76



80, 114, 121

Rectangle

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



44, 88, 148



101, 109, 153



145, 118, 76



70, 115, 71

Sweetspot

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



44, 88, 148



151, 168, 191



44, 126, 148



73, 83, 97



224, 224, 224



97, 97, 97

Same Dimension

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



44, 88, 148



31, 99, 191



44, 64, 148



67, 70, 74



0, 58, 138



0, 4, 10

Inverse Universe

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



148, 44, 120



191, 31, 148



75, 148, 44



74, 67, 72



138, 0, 101



10, 0, 7

Previews

White Background



This preview shows how the RYB color 44, 88, 148 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, 88, 148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

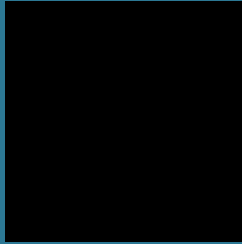
Any Text WCAG AA × Fail

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](#).

R Y B 44, 88, 148 Background



This preview shows how black text looks on a background with the RYB color 44, 88, 148.

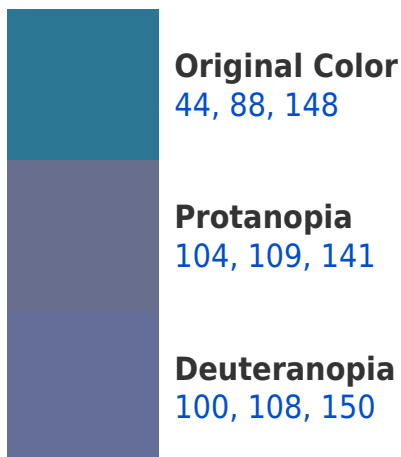



This preview shows how white text looks on a background with the RYB color 44, 88, 148.

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](#).

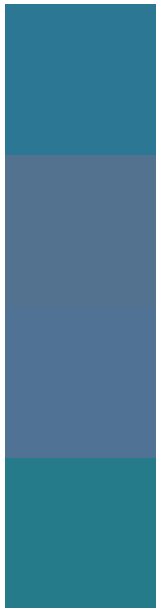
Dichromacy





Tritanopia
34, 81, 133

Trichromacy



Original Color

44, 88, 148

Protanomaly

82, 103, 144

Deuteranomaly

80, 103, 149

Tritanomaly

38, 84, 138

Monochromacy



Original Color

44, 88, 148

Achromatopsia

101, 101, 101

Achromatomaly

80, 96, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 44, 88, 148 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, 120, 148)` looks like.

```
.text, #text, p{  
    color:rgb(44, 120, 148)  
}
```

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, 120, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 120, 148) }
```

Border

The CSS property to change the border of an element to RYB 44, 88, 148 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, 120, 148) }
```

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

```
.border{ border-color:rgb(44, 120, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 120, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 120, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 120, 148);  
box-shadow:4px 4px 4px 4px rgb(44, 120,  
148) }
```

Background

The CSS property to change the background color of an element to RYB 44, 88, 148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 120, 148) }
```

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

```
.background{ background-color: rgb(44, 120,  
148) }
```

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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