

# Converting Colors

`RYB(66, 124, 200)`

Have a look what the booklet for  
RYB(66, 124, 200) contains.

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# Color

**`RYB(66, 124, 200)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	42A8C8
RGB	66, 168, 200
RGB Percent	26%, 66%, 78%
CMY	0.7412, 0.3401, 0.2157
CMYK	0.67, 0.16, 0.00, 0.22
HSL	194°, 55%, 52%
HSV	194°, 67%, 78%
XYZ	26.7234, 33.4309, 59.6879
YIQ	141.1500, -71.0640, -11.6720

# Conversions

## Conversions Part 2

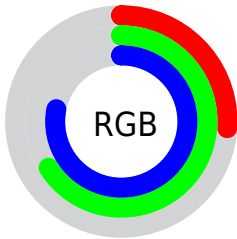
Format	Color
R <sub>Y</sub> B	66, 124, 200
Decimal	4368584
CIE Lab	64.51, -19.46, -24.88
CIE LCh	65, 31.584, 231.963
Yxy	33.4309, 0.2230, 0.2790
Android (android.graphics.Color)	4282558664 (0xFF42A8C8)
YUV	141.1500, 29.0130, -65.9066
Hunter-Lab	57.8195, -18.6838, -20.7323

# Details

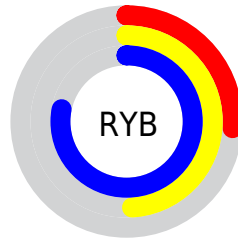
The RYB color **66, 124, 200** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **200, 108, 66**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **128, 182, 255**, and **0, 65, 146** is the 20% darker color. If you saturate the color by 10%, you get **46, 113, 200**, and if you desaturate by 10%, it is **86, 135, 200**.

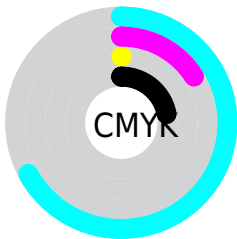
# Distribution



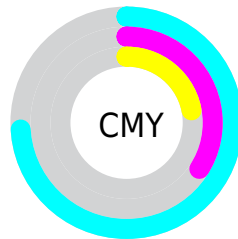
- Red (26%)
- Green (66%)
- Blue (78%)



- Red (26%)
- Yellow (49%)
- Blue (78%)



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



















- Cyan (74%)
- Magenta (34%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 66, 124, 200 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 66, 124, 200 by changing the saturation by 10% instead.



 66, 124, 200	 66, 124, 200
 255, 255, 255	 23, 89, 173
 128, 183, 255	 0, 65, 146
 158, 206, 255	 0, 52, 120
 188, 222, 255	 0, 40, 95
 218, 237, 255	 0, 28, 71
 248, 252, 255	 0, 17, 49
	 0, 1, 28
	 0, 0, 0

 66, 124, 200       66, 124, 200

■ 46, 113, 200

■ 86, 135, 200

■ 26, 101, 200

■ 106, 147, 200

■ 6, 90, 200

■ 126, 158, 200

■ 0, 87, 200

■ 146, 169, 200

■ 166, 181, 200

■ 186, 192, 200

■ 206, 201, 200

■ 226, 208, 200

■ 246, 214, 200

# Harmonies

## Analogous

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



60, 117, 177



66, 124, 200



106, 142, 212

# Triad

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



66, 124, 200



207, 136, 165



103, 161, 110

# Complementary

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



66, 124, 200



200, 108, 66

# 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.



151, 183, 101



66, 124, 200



212, 136, 137

# Square

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



66, 124, 200



185, 142, 191



203, 158, 113



121, 168, 167

# Rectangle

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



66, 124, 200



135, 151, 211



203, 158, 113



108, 164, 101

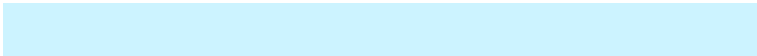


# Sweetspot

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



66, 124, 200



204, 226, 255



66, 175, 200



97, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



66, 124, 200



51, 139, 255



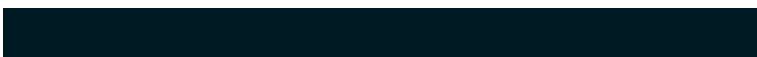
66, 94, 200



90, 94, 99



0, 71, 163



0, 15, 36



# Inverse Universe

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



200, 66, 168



255, 51, 207



115, 200, 66



99, 90, 97



163, 0, 125



36, 0, 27



# Previews

## White Background



This preview shows how the RYB color 66, 124, 200 looks on a white background.

## Color Contrast Check

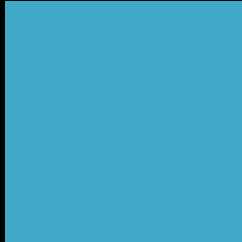
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 66, 124, 200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

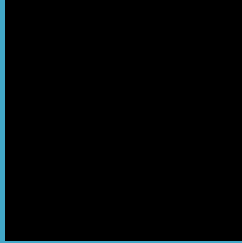
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 66, 124, 200 Background



This preview shows how black text looks on a background with the RYB color 66, 124, 200.

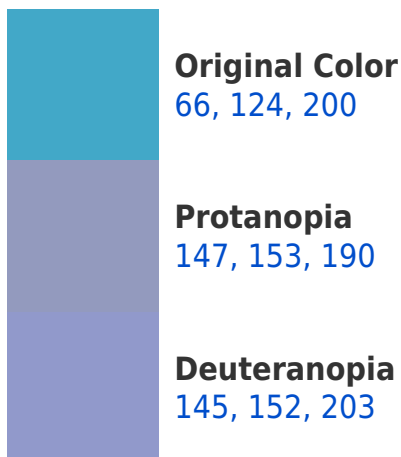


This preview shows how white text looks on a background with the RYB color 66, 124, 200.

# 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](#).

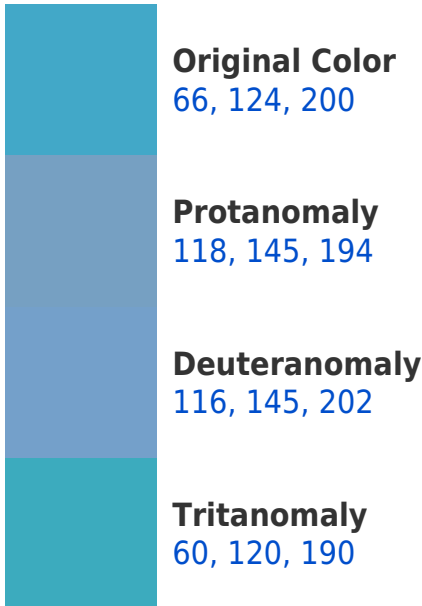
## Dichromacy



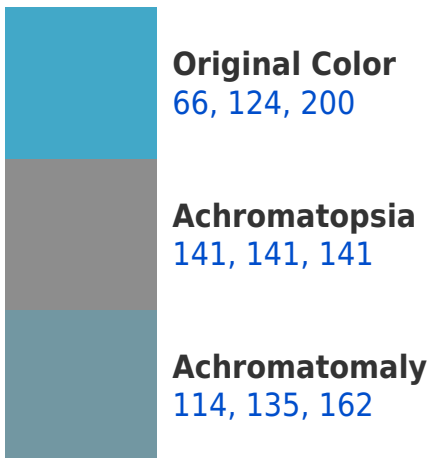


**Tritanopia**  
57, 117, 185

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 66, 124, 200 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(66, 168, 200)` looks like.

```
.text, #text, p{  
    color:rgb(66, 168, 200)  
}
```

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(66, 168, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 168, 200) }
```

## Border

The CSS property to change the border of an element to RYB 66, 124, 200 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(66, 168, 200) }
```

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

```
.border{ border-color:rgb(66, 168, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 168, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 168, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 168, 200);  
box-shadow:4px 4px 4px 4px rgb(66, 168,  
200) }
```

# Background

The CSS property to change the background color of an element to RGB 66, 124, 200 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 168, 200) }
```

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

```
.background{ background-color: rgb(66, 168,  
200) }
```

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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