

Converting Colors

`RYB(18, 91, 191)`

Have a look what the booklet for
RYB(18, 91, 191) contains.

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Color

`RYB(18, 91, 191)`

Conversions

Conversions Part 1

Format	Color
Hex	1290BF
RGB	18, 144, 191
RGB Percent	7%, 56%, 75%
CMY	0.9294, 0.4342, 0.2510
CMYK	0.91, 0.24, 0.00, 0.25
HSL	196°, 83%, 41%
HSV	196°, 91%, 75%
XYZ	19.6707, 23.9247, 52.8714
YIQ	111.6840, -90.1830, -12.0950

Conversions

Conversions Part 2

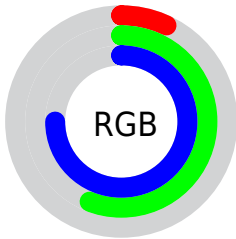
Format	Color
R_{YB}	18, 91, 191
Decimal	1216703
CIE _{Lab}	56.01, -14.64, -33.04
CIE _{LCh}	56, 36.140, 246.096
Yxy	23.9247, 0.2039, 0.2480
Android (android.graphics.Color)	4279406783 (0xFF1290BF)
YUV	111.6840, 39.1028, -82.1609
Hunter-Lab	48.9128, -13.8124, -29.8494

Details

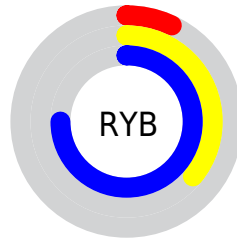
The RYB color **18, 91, 191** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **191, 83, 18**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **100, 159, 248**, and **0, 56, 137** is the 20% darker color. If you saturate the color by 10%, you get **0, 80, 191**, and if you desaturate by 10%, it is **37, 102, 191**.

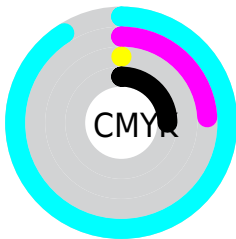
Distribution



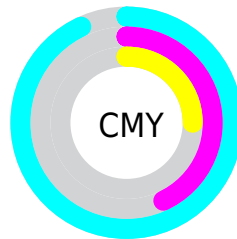
- Red (7%)
- Green (56%)
- Blue (75%)



- Red (7%)
- Yellow (36%)
- Blue (75%)



- Cyan (91%)
- Magenta (24%)
- Yellow (0%)
- Black (25%)




















- Cyan (93%)
- Magenta (43%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 91, 191 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 18, 91, 191 by changing the saturation by 10% instead.

 18, 91, 191	 18, 91, 191
255, 255, 255	 0, 69, 164
 100, 159, 248	 0, 56, 137
 131, 185, 255	 0, 43, 112
 162, 209, 255	 0, 31, 87
 192, 224, 255	 0, 19, 63
 222, 239, 255	 0, 3, 41
253, 254, 255	 0, 1, 19
	 0, 0, 0
 18, 91, 191	 18, 91, 191

■ 0, 80, 191

■ 37, 102, 191

■ 56, 113, 191

■ 75, 124, 191

■ 94, 135, 191

■ 114, 146, 191

■ 133, 157, 191

■ 152, 168, 191

■ 171, 180, 191

■ 190, 191, 191

Harmonies

Analogous

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



0, 79, 170



18, 91, 191



97, 124, 196

Triad

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



18, 91, 191



194, 109, 129



82, 143, 111

Complementary

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



18, 91, 191



191, 83, 18

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.



87, 148, 71



18, 91, 191



191, 116, 99

Square

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



18, 91, 191



179, 113, 160



175, 167, 77



74, 126, 149

Rectangle

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



18, 91, 191



131, 128, 191



175, 167, 77



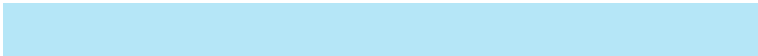
76, 141, 91

Sweetspot

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



18, 91, 191



181, 209, 247



18, 155, 191



85, 102, 125



252, 252, 252



125, 125, 125

Same Dimension

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



18, 91, 191



0, 104, 247



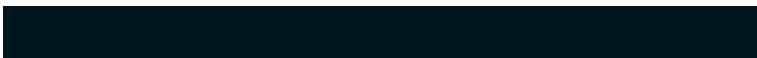
18, 50, 191



85, 89, 94



0, 67, 158



0, 13, 31

Inverse Universe

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



191, 18, 144



247, 0, 181



70, 191, 18



94, 85, 92



158, 0, 115



31, 0, 22

Previews

White Background



This preview shows how the RYB color 18, 91, 191 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 18, 91, 191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

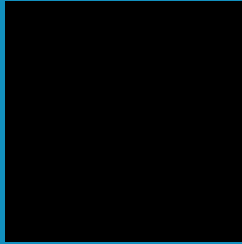
Any Text WCAG AA ✓ Pass

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 18, 91, 191 Background



This preview shows how black text looks on a background with the R Y B color 18, 91, 191.

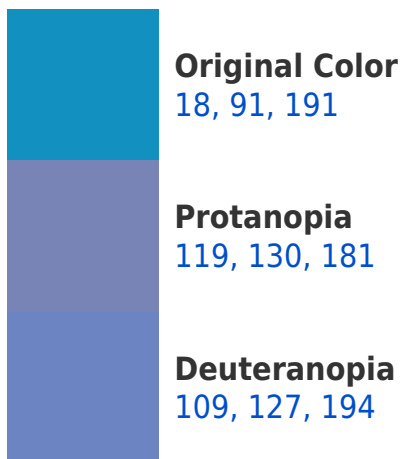


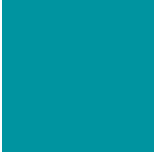
This preview shows how white text looks on a background with the R Y B color 18, 91, 191.

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, 77, 160

Trichromacy



Original Color
18, 91, 191

Protanomaly
82, 117, 185

Deuteranomaly
76, 116, 193

Tritanomaly
7, 83, 171

Monochromacy



Original Color
18, 91, 191

Achromatopsia
112, 112, 112

Achromatomaly
78, 105, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 91, 191 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(18, 144, 191)` looks like.

```
.text, #text, p{  
    color:rgb(18, 144, 191)  
}
```

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(18, 144, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 144, 191) }
```

Border

The CSS property to change the border of an element to RYB 18, 91, 191 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(18, 144, 191) }
```

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

```
.border{ border-color:rgb(18, 144, 191) }
```

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

Here you see how a box with a 4 pixel rgb(18, 144, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 144, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 144, 191);  
box-shadow:4px 4px 4px 4px rgb(18, 144,  
191) }
```

Background

The CSS property to change the background color of an element to RYB 18, 91, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 144, 191) }
```

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

```
.background{ background-color: rgb(18, 144,  
191) }
```

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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