

Converting Colors

`RYB(91, 20, 146)`

Have a look what the booklet for
RYB(91, 20, 146) contains.

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Color

R_YB(91, 20, 146)

Conversions

Conversions Part 1

Format	Color
Hex	5B1492
RGB	91, 20, 146
RGB Percent	36%, 8%, 57%
CMY	0.6431, 0.9216, 0.4275
CMYK	0.38, 0.86, 0.00, 0.43
HSL	274°, 76%, 33%
HSV	274°, 86%, 57%
XYZ	9.7528, 4.7998, 27.6065
YIQ	55.5930, 1.8700, 54.2380

Conversions

Conversions Part 2

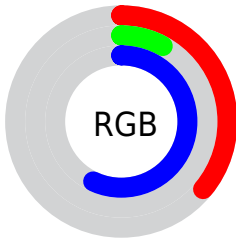
Format	Color
R_{YB}	91, 20, 146
Decimal	5969042
CIE _{Lab}	26.16, 52.37, -53.90
CIE _{LCh}	26, 75.154, 314.176
Yxy	4.7998, 0.2313, 0.1138
Android (android.graphics.Color)	4284159122 (0xFF5B1492)
YUV	55.5930, 44.5707, 31.0519
Hunter-Lab	21.9084, 41.1222, -59.3748

Details

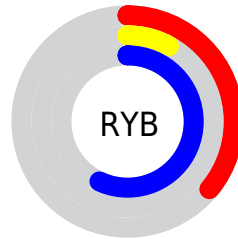
The RYB color **91, 20, 146** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **20, 146, 91**, and the grayscale version is **55, 55, 55**.

A 20% lighter version of the original color is **146, 75, 201**, and **34, 0, 94** is the 20% darker color. If you saturate the color by 10%, you get **85, 5, 146**, and if you desaturate by 10%, it is **97, 35, 146**.

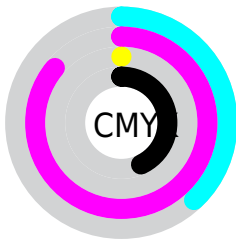
Distribution



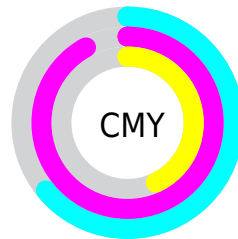
- Red (36%)
- Green (8%)
- Blue (57%)



- Red (36%)
- Yellow (8%)
- Blue (57%)



- Cyan (38%)
- Magenta (86%)
- Yellow (0%)
- Black (43%)



- Cyan (64%)
- Magenta (92%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 91, 20, 146 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 91, 20, 146 by changing the saturation by 10% instead.



91, 20, 146



91, 20, 146

255, 255, 255



63, 0, 120



146, 75, 201



34, 0, 94



175, 101, 229



0, 0, 70



204, 127, 255



0, 4, 46



233, 154, 255



0, 1, 25



255, 182, 255



0, 0, 0



255, 210, 255



255, 239, 255



91, 20, 146



91, 20, 146

85, 5, 146

97, 35, 146

82, 0, 146

104, 49, 146

110, 64, 146

116, 78, 146

123, 93, 146

129, 108, 146

136, 122, 146

142, 137, 146

146, 151, 149

Harmonies

Analogous

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



0, 46, 177



91, 20, 146



143, 0, 95

Triad

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



91, 20, 146



101, 91, 0



0, 43, 89

Complementary

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



91, 20, 146



20, 146, 91

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.



0, 60, 80



91, 20, 146



0, 68, 17

Square

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



91, 20, 146



137, 0, 0



0, 77, 77



0, 52, 142

Rectangle

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



91, 20, 146



154, 0, 57



0, 77, 77



0, 45, 82

Sweetspot

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



91, 20, 146



167, 140, 189



20, 59, 146



82, 65, 94



222, 222, 222



94, 94, 94

Same Dimension

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



91, 20, 146



106, 0, 189



146, 20, 140



71, 67, 74



78, 0, 138



6, 0, 10

Inverse Universe

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



146, 20, 75



189, 0, 82



20, 140, 146



74, 67, 70



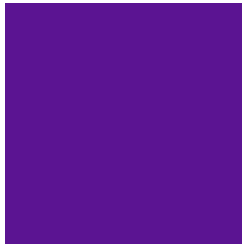
138, 0, 60



10, 0, 4

Previews

White Background



This preview shows how the RYB color 91, 20, 146 looks on a white background.

Color Contrast Check

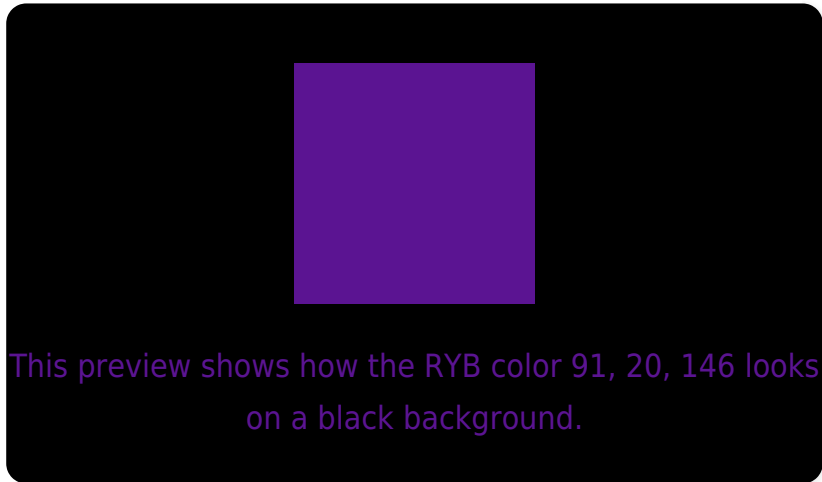
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

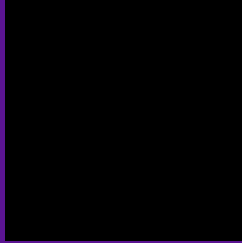
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYP 91, 20, 146 Background



This preview shows how black text looks on a background with the RYB color 91, 20, 146.



This preview shows how white text looks on a background with the RYB color 91, 20, 146.

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



Original Color

91, 20, 146

Protanopia

0, 41, 129

Deuteranopia

0, 41, 111



Tritanopia

74, 59, 64

Trichromacy



Original Color

91, 20, 146

Protanomaly

33, 45, 135

Deuteranomaly

33, 47, 124

Tritanomaly

80, 45, 94

Monochromacy



Original Color

91, 20, 146

Achromatopsia

56, 56, 56

Achromatomaly

69, 43, 89

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 20, 146 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(91, 20, 146)` looks like.

```
.text, #text, p{  
    color:rgb(91, 20, 146)  
}
```

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(91, 20, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 20, 146) }
```

Border

The CSS property to change the border of an element to RYB 91, 20, 146 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(91, 20, 146) }
```

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

```
.border{ border-color:rgb(91, 20, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 20, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 20, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 20, 146);  
box-shadow:4px 4px 4px 4px rgb(91, 20,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 91, 20, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 20, 146) }
```

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

```
.background{ background-color: rgb(91, 20,  
146) }
```

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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