

Converting Colors

`RYB(25, 73, 202)`

Have a look what the booklet for
RYB(25, 73, 202) contains.

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Color

R_YB(25, 73, 202)

Conversions

Conversions Part 1

Format	Color
Hex	195BCA
RGB	25, 91, 202
RGB Percent	10%, 36%, 79%
CMY	0.9020, 0.6437, 0.2078
CMYK	0.88, 0.55, 0.00, 0.21
HSL	218°, 78%, 45%
HSV	218°, 88%, 79%
XYZ	14.7907, 11.9293, 57.4001
YIQ	83.9200, -74.9670, 20.5290

Conversions

Conversions Part 2

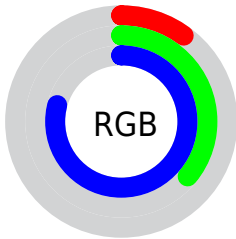
Format	Color
RYB	25, 73, 202
Decimal	1661898
CIELab	41.10, 22.80, -63.11
CIElCh	41, 67.104, 289.866
Yxy	11.9293, 0.1758, 0.1418
Android (android.graphics.Color)	4279851978 (0xFF195BCA)
YUV	83.9200, 58.2134, -51.6728
Hunter-Lab	34.5388, 15.9972, -74.3571

Details

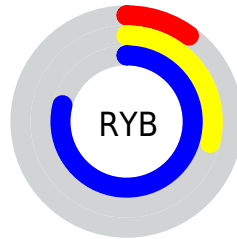
The RYB color **25, 73, 202** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **130, 202, 25**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **105, 133, 255**, and **0, 36, 147** is the 20% darker color. If you saturate the color by 10%, you get **5, 58, 202**, and if you desaturate by 10%, it is **45, 88, 202**.

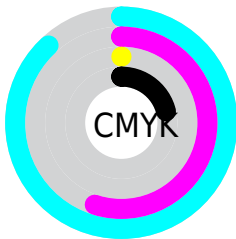
Distribution



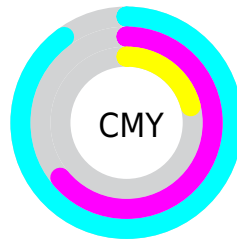
- Red (10%)
- Green (36%)
- Blue (79%)



- Red (10%)
- Yellow (29%)
- Blue (79%)



- Cyan (88%)
- Magenta (55%)
- Yellow (0%)
- Black (21%)




- Cyan (90%)
- Magenta (64%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 25, 73, 202 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 25, 73, 202 by changing the saturation by 10% instead.


 25, 73, 202  25, 73, 202

255, 255, 255  0, 49, 174


 105, 133, 255  0, 36, 147

 136, 160, 255  0, 23, 120

 167, 187, 255  0, 1, 95

 197, 214, 255  0, 7, 70

 228, 240, 255  0, 4, 47

 0, 1, 25

 0, 0, 0

 25, 73, 202  25, 73, 202

■ 5, 58, 202

■ 45, 88, 202

■ 0, 55, 202

■ 65, 102, 202

■ 86, 117, 202

■ 106, 132, 202

■ 126, 146, 202

■ 146, 161, 202

■ 166, 176, 202

■ 187, 191, 202

■ 205, 207, 202

Harmonies

Analogous

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



0, 71, 207



25, 73, 202



142, 61, 169

Triad

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



25, 73, 202



171, 89, 3



0, 73, 119

Complementary

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



25, 73, 202



130, 202, 25

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, 106, 115



25, 73, 202



70, 134, 0

Square

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



25, 73, 202



190, 23, 63



0, 105, 21



0, 63, 133

Rectangle

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



25, 73, 202



174, 34, 136



0, 105, 21



0, 80, 118

Sweetspot

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



25, 73, 202



189, 207, 255



25, 135, 202



88, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



25, 73, 202



0, 69, 255



46, 25, 202



92, 95, 102



0, 45, 166



0, 10, 38

Inverse Universe

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



202, 25, 91



255, 0, 95



25, 202, 46



102, 92, 96



166, 0, 62



38, 0, 14

Previews

White Background



This preview shows how the RYB color 25, 73, 202 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 25, 73, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

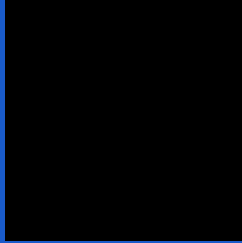
Any Text WCAG AA × Fail

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 25, 73, 202 Background



This preview shows how black text looks on a background with the R Y B color 25, 73, 202.



This preview shows how white text looks on a background with the R Y B color 25, 73, 202.

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

25, 73, 202

Protanopia

0, 63, 197

Deuteranopia

0, 63, 170



Tritanopia
0, 55, 114

Trichromacy



Original Color

25, 73, 202

Protanomaly

9, 67, 199

Deuteranomaly

9, 67, 182

Tritanomaly

9, 64, 146

Monochromacy



Original Color

25, 73, 202

Achromatopsia

84, 84, 84

Achromatomaly

63, 80, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 25, 91, 202 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(25, 91, 202)` looks like.

```
.text, #text, p{  
    color:rgb(25, 91, 202)  
}
```

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(25, 91, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 91, 202) }
```

Border

The CSS property to change the border of an element to RYB 25, 73, 202 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(25, 91, 202) }
```

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

```
.border{ border-color:rgb(25, 91, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 91, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 91, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 91, 202);  
box-shadow:4px 4px 4px 4px rgb(25, 91,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 25, 91, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 91, 202) }
```

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

```
.background{ background-color: rgb(25, 91,  
202) }
```

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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