

Converting Colors

`RYB(45, 76, 132)`

Have a look what the booklet for
RYB(45, 76, 132) contains.

RYB(45, 76, 132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(45, 76, 132)

Conversions

Conversions Part 1

Format	Color
Hex	2D5D84
RGB	45, 93, 132
RGB Percent	18%, 36%, 52%
CMY	0.8235, 0.6347, 0.4824
CMYK	0.66, 0.29, 0.00, 0.48
HSL	207°, 49%, 35%
HSV	207°, 66%, 52%
XYZ	9.1755, 10.0808, 23.2920
YIQ	83.0940, -41.1270, 1.9530

Conversions

Conversions Part 2

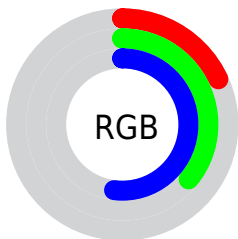
Format	Color
R_{YB}	45, 76, 132
Decimal	2973060
CIE _{Lab}	37.99, -3.33, -26.53
CIE _{LCh}	38, 26.741, 262.838
Yxy	10.0808, 0.2156, 0.2369
Android (android.graphics.Color)	4281163140 (0xFF2D5D84)
YUV	83.0940, 24.1107, -33.4084
Hunter-Lab	31.7502, -3.9781, -21.2700

Details

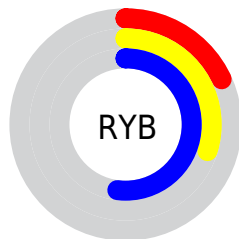
The RYB color **45, 76, 132** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **132, 116, 45**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **100, 129, 185**, and **0, 30, 82** is the 20% darker color. If you saturate the color by 10%, you get **32, 67, 132**, and if you desaturate by 10%, it is **58, 84, 132**.

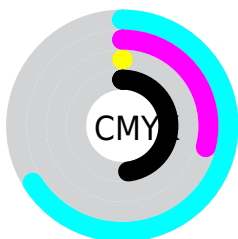
Distribution



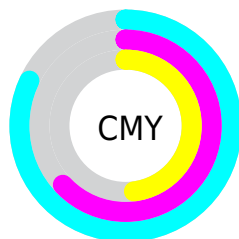
- Red (18%)
- Green (36%)
- Blue (52%)



- Red (18%)
- Yellow (30%)
- Blue (52%)



- Cyan (66%)
- Magenta (29%)
- Yellow (0%)
- Black (48%)



- Cyan (82%)
- Magenta (63%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 76, 132 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 45, 76, 132 by changing the saturation by 10% instead.



45, 76, 132



45, 76, 132

255, 255, 255



9, 47, 107



100, 129, 185



0, 30, 82



127, 156, 213



0, 19, 59



154, 183, 241



0, 2, 37



182, 209, 255



0, 1, 14



211, 232, 255



0, 0, 0



240, 248, 255



45, 76, 132



45, 76, 132



32, 67, 132



58, 84, 132

■ 19, 59, 132

■ 71, 93, 132

■ 5, 50, 132

■ 85, 102, 132

■ 0, 47, 132

■ 98, 110, 132

■ 111, 119, 132

■ 124, 127, 132

■ 137, 135, 132

■ 151, 146, 132

■ 164, 157, 132

Harmonies

Analogous

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



0, 55, 123



45, 76, 132



84, 86, 129

Triad

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



45, 76, 132



131, 73, 74



61, 97, 98

Complementary

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



45, 76, 132



132, 116, 45

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.



49, 93, 56



45, 76, 132



123, 91, 56

Square

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



45, 76, 132



127, 73, 96



80, 108, 46



28, 69, 100

Rectangle

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



45, 76, 132



104, 80, 121



80, 108, 46



57, 97, 84

Sweetspot

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



45, 76, 132



137, 149, 171



45, 106, 132



66, 73, 87



214, 214, 214



87, 87, 87

Same Dimension

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



45, 76, 132



36, 84, 171



45, 51, 132



60, 62, 66



0, 46, 130



0, 1, 3

Inverse Universe

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



132, 45, 93



171, 36, 111



51, 132, 45



66, 60, 63



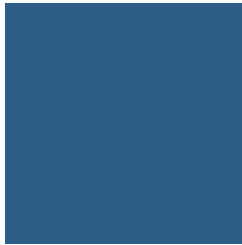
130, 0, 72



3, 0, 1

Previews

White Background



This preview shows how the RYB color 45, 76, 132 looks on a white background.

Color Contrast Check

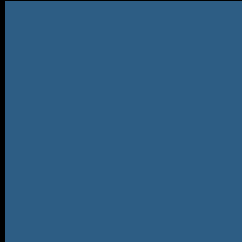
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 76, 132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

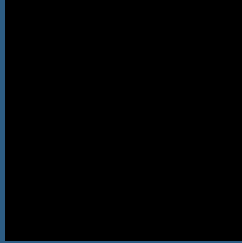
Any Text WCAG AA × Fail

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 45, 76, 132 Background



This preview shows how black text looks on a background with the R Y B color 45, 76, 132.

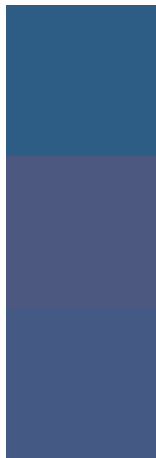


This preview shows how white text looks on a background with the R Y B color 45, 76, 132.

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
45, 76, 132

Protanopia
76, 86, 128

Deuteranopia
69, 84, 133



Tritanopia
30, 66, 106

Trichromacy



Original Color

45, 76, 132

Protanomaly

65, 83, 129

Deuteranomaly

60, 82, 133

Tritanomaly

35, 70, 115

Monochromacy



Original Color

45, 76, 132

Achromatopsia

83, 83, 83

Achromatomaly

69, 81, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 76, 132 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(45, 93, 132)` looks like.

```
.text, #text, p{  
    color:rgb(45, 93, 132)  
}
```

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(45, 93, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 93, 132) }
```

Border

The CSS property to change the border of an element to RYB 45, 76, 132 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(45, 93, 132) }
```

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

```
.border{ border-color:rgb(45, 93, 132) }
```

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

Here you see how a box with a 4 pixel rgb(45, 93, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 93, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 93, 132);  
box-shadow:4px 4px 4px 4px rgb(45, 93,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 45, 76, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 93, 132) }
```

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

```
.background{ background-color: rgb(45, 93,  
132) }
```

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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