

Converting Colors

`RYB(32, 41, 139)`

Have a look what the booklet for
RYB(32, 41, 139) contains.

RYB(32, 41, 139)	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(32, 41, 139)

Conversions

Conversions Part 1

Format	Color
Hex	202A8B
RGB	32, 42, 139
RGB Percent	13%, 16%, 55%
CMY	0.8745, 0.8360, 0.4549
CMYK	0.77, 0.70, 0.00, 0.45
HSL	234°, 63%, 34%
HSV	234°, 77%, 55%
XYZ	6.0777, 3.8148, 24.8421
YIQ	50.0680, -37.0970, 28.0470

Conversions

Conversions Part 2

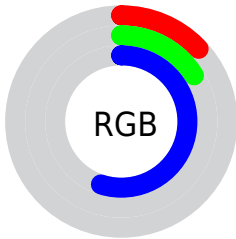
Format	Color
R_{YB}	32, 41, 139
Decimal	2108043
CIE _{Lab}	23.05, 31.62, -54.88
CIE _{LCh}	23, 63.343, 299.952
Yxy	3.8148, 0.1750, 0.1098
Android (android.graphics.Color)	4280298123 (0xFF202A8B)
YUV	50.0680, 43.8435, -15.8456
Hunter-Lab	19.5315, 21.3643, -61.7387

Details

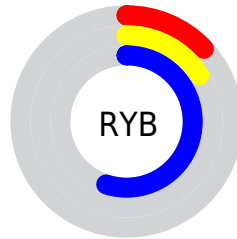
The RYB color **32, 41, 139** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **43, 139, 32**, and the grayscale version is **50, 50, 50**.

A 20% lighter version of the original color is **95, 88, 194**, and **0, 0, 88** is the 20% darker color. If you saturate the color by 10%, you get **18, 28, 139**, and if you desaturate by 10%, it is **46, 53, 139**.

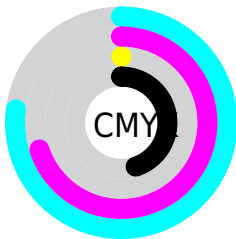
Distribution



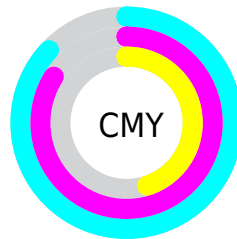
- Red (13%)
- Green (16%)
- Blue (55%)



- Red (13%)
- Yellow (16%)
- Blue (55%)



- Cyan (77%)
- Magenta (70%)
- Yellow (0%)
- Black (45%)



- Cyan (87%)
- Magenta (84%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 41, 139 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 32, 41, 139 by changing the saturation by 10% instead.



32, 41, 139



32, 41, 139

255, 255, 255



0, 18, 113



95, 88, 194



0, 0, 88



123, 112, 222



0, 5, 63



151, 138, 251



0, 3, 41



180, 164, 255



0, 1, 18



209, 191, 255



0, 0, 0



239, 219, 255



255, 248, 255



32, 41, 139



32, 41, 139

■ 18, 28, 139

■ 46, 53, 139

■ 4, 16, 139

■ 60, 66, 139

■ 0, 12, 139

■ 74, 79, 139

■ 88, 92, 139

■ 102, 105, 139

■ 115, 118, 139

■ 129, 130, 139

■ 139, 143, 139

■ 141, 157, 139

Harmonies

Analogous

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



0, 45, 152



32, 41, 139



108, 0, 103

Triad

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



32, 41, 139



104, 40, 0



0, 41, 72

Complementary

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



32, 41, 139



43, 139, 32

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, 70, 70



32, 41, 139



19, 69, 0

Square

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



32, 41, 139



127, 0, 10



0, 65, 51



0, 43, 102

Rectangle

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



32, 41, 139



127, 0, 73



0, 65, 51



0, 47, 71

Sweetspot

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



32, 41, 139



139, 143, 181



32, 88, 139



66, 68, 92



219, 219, 219



92, 92, 92

Same Dimension

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



32, 41, 139



14, 29, 181



75, 32, 139



62, 63, 69



0, 11, 133



0, 0, 5

Inverse Universe

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



139, 32, 42



181, 14, 30



32, 139, 75



69, 62, 63



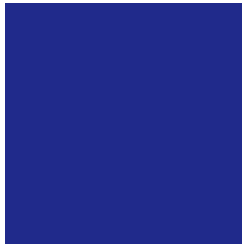
133, 0, 12



5, 0, 0

Previews

White Background



This preview shows how the RYB color 32, 41, 139 looks on a white background.

Color Contrast Check

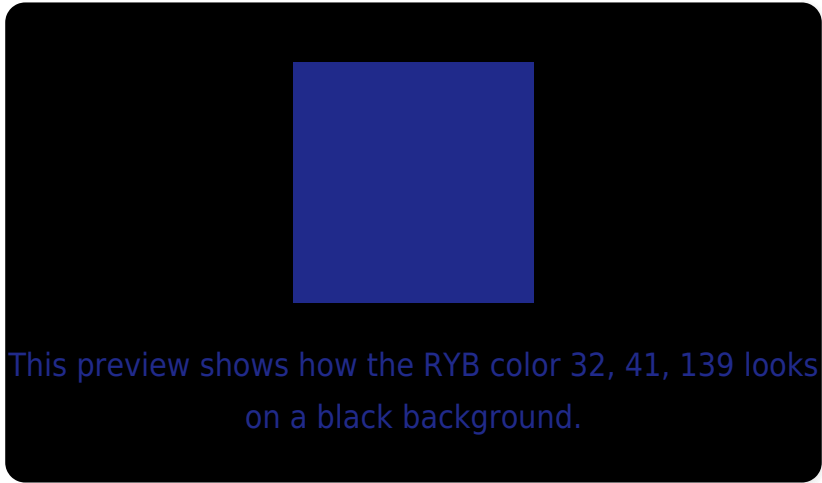
Large Text (above 18pt) WCAG AA ✓ Pass

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

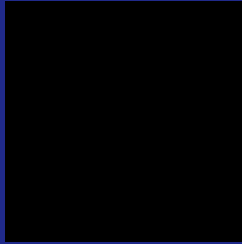
Any Text WCAG AA × Fail

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](#).

RYB 32, 41, 139 Background



This preview shows how black text looks on a background with the RYB color 32, 41, 139.



This preview shows how white text looks on a background with the RYB color 32, 41, 139.

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

32, 41, 139

Protanopia

0, 36, 112

Deuteranopia

0, 36, 96



Tritanopia
0, 31, 65

Trichromacy



Original Color

32, 41, 139

Protanomaly

12, 40, 122

Deuteranomaly

12, 40, 112

Tritanomaly

12, 40, 92

Monochromacy



Original Color

32, 41, 139

Achromatopsia

50, 50, 50

Achromatomaly

43, 47, 82

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 41, 139 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(32, 42, 139)` looks like.

```
.text, #text, p{  
    color:rgb(32, 42, 139)  
}
```

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(32, 42, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 42, 139) }
```

Border

The CSS property to change the border of an element to RYB 32, 41, 139 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(32, 42, 139) }
```

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

```
.border{ border-color:rgb(32, 42, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 42, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 42, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 42, 139);  
box-shadow:4px 4px 4px 4px rgb(32, 42,  
139) }
```

Background

The CSS property to change the background color of an element to RGB 32, 42, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 42, 139) }
```

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

```
.background{ background-color: rgb(32, 42,  
139) }
```

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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