

Converting Colors

`RYB(32, 71, 119)`

Have a look what the booklet for
RYB(32, 71, 119) contains.

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Color

R_YB(32, 71, 119)

Conversions

Conversions Part 1

Format	Color
Hex	206777
RGB	32, 103, 119
RGB Percent	13%, 40%, 47%
CMY	0.8745, 0.5973, 0.5333
CMYK	0.73, 0.14, 0.00, 0.53
HSL	191°, 58%, 30%
HSV	191°, 73%, 47%
XYZ	8.7447, 11.2774, 19.1686
YIQ	83.5950, -47.4520, -10.0760

Conversions

Conversions Part 2

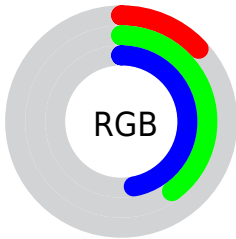
Format	Color
R_{YB}	32, 71, 119
Decimal	2123639
CIE _{Lab}	40.04, -15.85, -15.46
CIE _{LCh}	40, 22.143, 224.299
Yxy	11.2774, 0.2231, 0.2878
Android (android.graphics.Color)	4280313719 (0xFF206777)
YUV	83.5950, 17.4547, -45.2488
Hunter-Lab	33.5819, -12.2872, -10.3356




Details

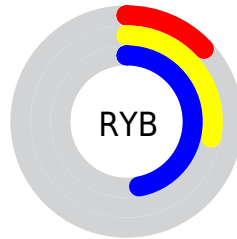
The RYB color **32, 71, 119** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **119, 52, 32**, and the grayscale version is **83, 83, 83**.




A 20% lighter version of the original color is **90, 126, 171**, and **0, 31, 71** is the 20% darker color. If you saturate the color by 10%, you get **20, 64, 119**, and if you desaturate by 10%, it is **44, 78, 119**.

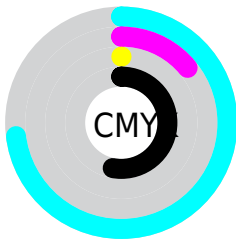
Distribution







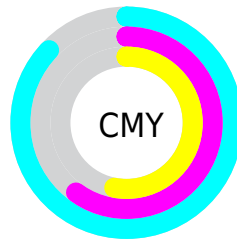
-  Red (13%)
-  Green (40%)
-  Blue (47%)






-  Red (13%)
-  Yellow (28%)
-  Blue (47%)



-  Cyan (73%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (87%)
-  Magenta (60%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 71, 119 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, 71, 119 by changing the saturation by 10% instead.



32, 71, 119



32, 71, 119

255, 255, 255



0, 43, 94



90, 126, 171



0, 31, 71



117, 153, 199



0, 20, 48



144, 180, 227



0, 2, 28



172, 208, 255



0, 0, 0



201, 228, 255



230, 243, 255



32, 71, 119



32, 71, 119



20, 64, 119



44, 78, 119

■ 8, 58, 119

■ 56, 84, 119

■ 0, 53, 119

■ 68, 91, 119

■ 80, 98, 119

■ 92, 104, 119

■ 103, 110, 119

■ 115, 117, 119

■ 127, 122, 119

■ 139, 124, 119

Harmonies

Analogous

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



35, 70, 104



32, 71, 119



54, 82, 129

Triad

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



32, 71, 119



124, 82, 105



61, 98, 59

Complementary

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



32, 71, 119



119, 52, 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.



106, 115, 60



32, 71, 119



130, 81, 86

Square

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



32, 71, 119



108, 87, 120



127, 89, 70



68, 101, 91

Rectangle

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



32, 71, 119



74, 89, 130



127, 89, 70



71, 104, 58

Sweetspot

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



32, 71, 119



121, 137, 156



32, 105, 119



58, 67, 79



207, 207, 207



79, 79, 79

Same Dimension

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



32, 71, 119



19, 80, 156



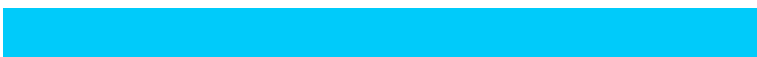
32, 53, 119



53, 56, 59



0, 55, 122



0, 112, 250

Inverse Universe

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



119, 32, 103



156, 19, 130



73, 119, 32



59, 53, 58



122, 0, 99



250, 0, 203

Previews

White Background



This preview shows how the RYB color 32, 71, 119 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 32, 71, 119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

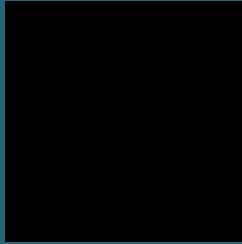
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

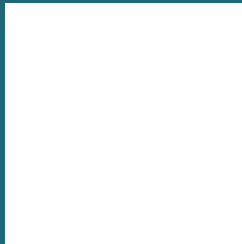
Any Text WCAG AAA × Fail

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

RYP 32, 71, 119 Background



This preview shows how black text looks on a background with the RYP color 32, 71, 119.



This preview shows how white text looks on a background with the RYP color 32, 71, 119.

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, 71, 119

Protanopia

90, 93, 112

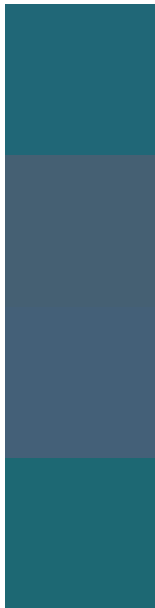
Deuteranopia

89, 92, 121



Tritanopia
27, 67, 112

Trichromacy



Original Color

32, 71, 119

Protanomaly

69, 86, 115

Deuteranomaly

68, 86, 120

Tritanomaly

29, 69, 115

Monochromacy



Original Color

32, 71, 119

Achromatopsia

83, 83, 83

Achromatomaly

64, 78, 96

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 71, 119 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, 103, 119)` looks like.

```
.text, #text, p{  
    color:rgb(32, 103, 119)  
}
```

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, 103, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 103, 119) }
```

Border

The CSS property to change the border of an element to RYB 32, 71, 119 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, 103, 119) }
```

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

```
.border{ border-color:rgb(32, 103, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 103, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 103, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 103, 119);  
box-shadow:4px 4px 4px 4px rgb(32, 103,  
119) }
```

Background

The CSS property to change the background color of an element to RGB 32, 71, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 103, 119) }
```

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

```
.background{ background-color: rgb(32, 103,  
119) }
```

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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