

Converting Colors

`RYB(34, 115, 45)`

Have a look what the booklet for
RYB(34, 115, 45) contains.

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Color

R_YB(34, 115, 45)

Conversions

Conversions Part 1

Format	Color
Hex	687322
RGB	104, 115, 34
RGB Percent	41%, 45%, 13%
CMY	0.5922, 0.5490, 0.8667
CMYK	0.10, 0.00, 0.70, 0.55
HSL	68°, 54%, 29%
HSV	68°, 70%, 45%
XYZ	12.1284, 15.3200, 3.8312
YIQ	102.4770, 19.4450, -27.5230

Conversions

Conversions Part 2

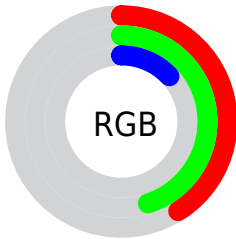
Format	Color
R_{YB}	34, 115, 45
Decimal	6845218
CIE Lab	46.07, -15.82, 41.48
CIE LCh	46, 44.392, 110.873
Yxy	15.3200, 0.3877, 0.4898
Android (android.graphics.Color)	4285035298 (0xFF687322)
YUV	102.4770, -33.7592, 1.3357
Hunter-Lab	39.1408, -13.1854, 21.5951

Details

The RYB color **34, 115, 45** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **45, 34, 115**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **84, 167, 94**, and **0, 67, 13** is the 20% darker color. If you saturate the color by 10%, you get **23, 115, 36**, and if you desaturate by 10%, it is **46, 115, 55**.

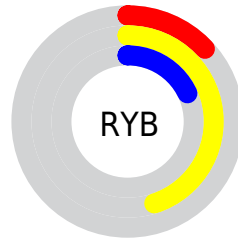
Distribution



Red (41%)

Green (45%)

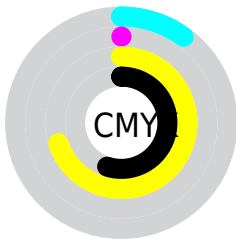
Blue (13%)



Red (13%)

Yellow (45%)

Blue (18%)

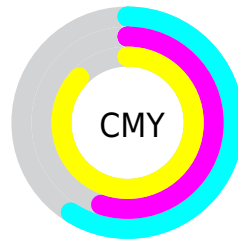


Cyan (10%)

Magenta (0%)

Yellow (70%)

Black (55%)



Cyan (59%)

Magenta (55%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 34, 115, 45 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 34, 115, 45 by changing the saturation by 10% instead.



34, 115, 45



34, 115, 45

255, 255, 255



5, 90, 17



84, 167, 94



0, 67, 13



109, 194, 118



0, 45, 15



135, 222, 144



0, 26, 26



162, 250, 170



0, 0, 0



190, 255, 190



218, 255, 218



247, 255, 247



34, 115, 45



34, 115, 45

■ 23, 115, 36

■ 46, 115, 55

■ 11, 115, 25

■ 57, 115, 65

■ 0, 115, 16

■ 69, 115, 75

■ 80, 115, 85

■ 92, 115, 95

■ 103, 115, 105

■ 115, 115, 115

■ 116, 115, 126

■ 118, 115, 138

Harmonies

Analogous

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



85, 139, 31



34, 115, 45



59, 122, 123

Triad

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



34, 115, 45



0, 71, 166



171, 77, 122

Complementary

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



34, 115, 45



45, 34, 115

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.



143, 88, 156



34, 115, 45



0, 71, 182

Square

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



34, 115, 45



0, 65, 134



90, 102, 179



177, 77, 85

Rectangle

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



34, 115, 45



0, 76, 126



90, 102, 179



164, 79, 134

Sweetspot

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



34, 115, 45



119, 150, 123



115, 47, 34



57, 77, 60



204, 204, 204



77, 77, 77

Same Dimension

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



34, 115, 45



23, 150, 40



34, 115, 85



53, 59, 54



0, 122, 16



0, 250, 34

Inverse Universe

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



45, 34, 115



40, 23, 150



85, 34, 115



54, 53, 59



17, 0, 122



34, 0, 250

Previews

White Background



This preview shows how the RYB color 34, 115, 45 looks on a white background.

Color Contrast Check

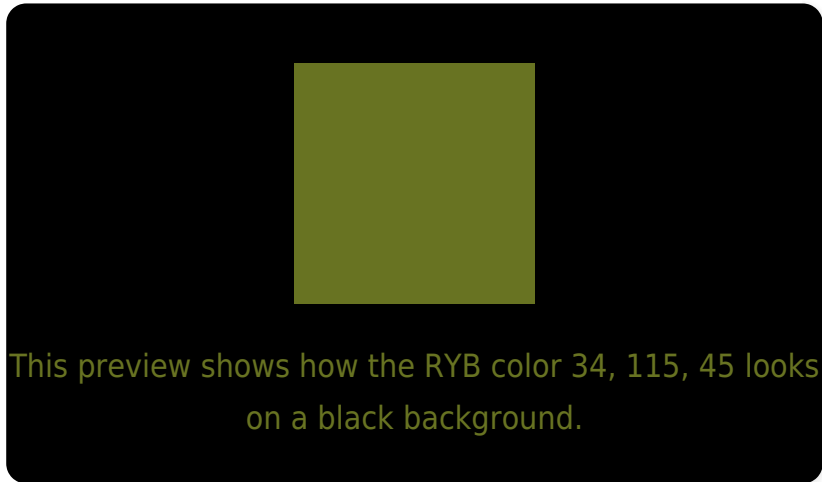
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 34, 115, 45 Background



This preview shows how black text looks on a background with the RYP color 34, 115, 45.



This preview shows how white text looks on a background with the RYP color 34, 115, 45.

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


34, 115, 45

Protanopia

47, 122, 32

Deuteranopia

86, 136, 38



Tritanopia
112, 107, 116

Trichromacy



Original Color

34, 115, 45

Protanomaly

37, 115, 33

Deuteranomaly

57, 124, 37

Tritanomaly

86, 110, 87

Monochromacy



Original Color

34, 115, 45

Achromatopsia

102, 102, 102

Achromatomaly

77, 107, 81

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 115, 45 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(104, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(104, 115, 34)  
}
```

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(104, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 34) }
```

Border

The CSS property to change the border of an element to RYB 34, 115, 45 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(104, 115, 34) }
```

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

```
.border{ border-color:rgb(104, 115, 34) }
```

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

Here you see how a box with a 4 pixel rgb(104, 115, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
34) }
```

Background

The CSS property to change the background color of an element to RYB 34, 115, 45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 34) }
```

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

```
.background{ background-color: rgb(104,  
115, 34) }
```

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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