

Converting Colors

`RYB(77, 112, 104)`

Have a look what the booklet for
RYB(77, 112, 104) contains.

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Color

R_YB(77, 112, 104)

Conversions

Conversions Part 1

Format	Color
Hex	55704D
RGB	85, 112, 77
RGB Percent	33%, 44%, 30%
CMY	0.6667, 0.5608, 0.6980
CMYK	0.24, 0.00, 0.31, 0.56
HSL	106°, 19%, 37%
HSV	106°, 31%, 44%
XYZ	10.8800, 14.0555, 9.1607
YIQ	99.9370, -4.8570, -16.6090

Conversions

Conversions Part 2

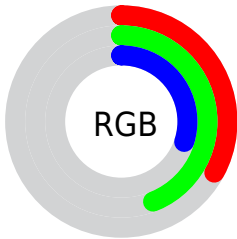
Format	Color
RYB	77, 112, 104
Decimal	5599309
CIELab	44.31, -17.19, 16.35
CIELCh	44, 23.727, 136.441
Yxy	14.0555, 0.3191, 0.4122
Android (android.graphics.Color)	4283789389 (0xFF55704D)
YUV	99.9370, -11.3079, -13.0997
Hunter-Lab	37.4906, -13.8066, 11.7561

Details

The RYB color **77, 112, 104** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **104, 77, 112**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **126, 164, 155**, and **32, 64, 57** is the 20% darker color. If you saturate the color by 10%, you get **66, 112, 102**, and if you desaturate by 10%, it is **88, 112, 106**.

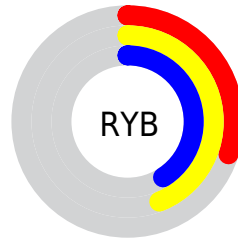
Distribution



Red (33%)

Green (44%)

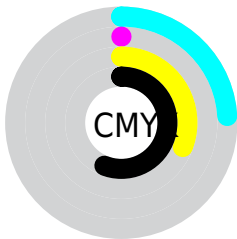
Blue (30%)



Red (30%)

Yellow (44%)

Blue (41%)

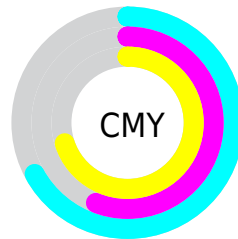


Cyan (24%)

Magenta (0%)

Yellow (31%)

Black (56%)



Cyan (67%)

Magenta (56%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 112, 104 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 77, 112, 104 by changing the saturation by 10% instead.



77, 112, 104



77, 112, 104

255, 255, 255



54, 87, 80



126, 164, 155



32, 64, 57



152, 191, 181



10, 42, 35



179, 219, 209



0, 23, 23



207, 247, 237



0, 0, 0



235, 255, 244



77, 112, 104



77, 112, 104



66, 112, 102



88, 112, 106



55, 112, 99



99, 112, 109

■ 43, 112, 96

■ 111, 112, 112

■ 32, 112, 94

■ 120, 112, 122

■ 21, 112, 91

■ 128, 112, 133

■ 10, 112, 89

■ 137, 112, 144

■ 0, 112, 86

■ 145, 112, 155

■ 154, 112, 167

■ 163, 112, 178

Harmonies

Analogous

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



67, 107, 67



77, 112, 104



61, 94, 115

Triad

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



77, 112, 104



63, 92, 143



144, 90, 95

Complementary

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



77, 112, 104



104, 77, 112

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.



138, 91, 115



77, 112, 104



94, 102, 142

Square

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



77, 112, 104



38, 80, 133



121, 96, 132



139, 100, 77

Rectangle

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



77, 112, 104



46, 83, 116



121, 96, 132



143, 90, 101

Sweetspot

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



77, 112, 104



132, 145, 142



87, 112, 77



66, 74, 72



201, 201, 201



74, 74, 74

Same Dimension

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



77, 112, 104



90, 145, 132



77, 105, 112



50, 56, 54



0, 120, 93



0, 247, 190

Inverse Universe

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



104, 77, 112



133, 90, 145



112, 77, 103



55, 50, 56



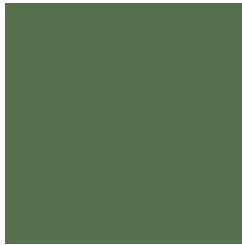
92, 0, 120



191, 0, 247

Previews

White Background



This preview shows how the RYB color 77, 112, 104 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 77, 112, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

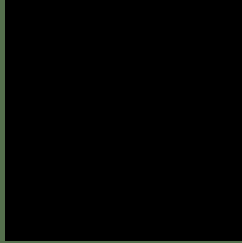
Any Text WCAG AA × Fail

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 77, 112, 104 Background



This preview shows how black text looks on a background with the R Y B color 77, 112, 104.



This preview shows how white text looks on a background with the R Y B color 77, 112, 104.

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

77, 112, 104

Protanopia

86, 113, 74

Deuteranopia

123, 117, 80



Tritanopia
91, 101, 116

Trichromacy



Original Color

77, 112, 104

Protanomaly

75, 107, 79

Deuteranomaly

85, 109, 79

Tritanomaly

89, 101, 109

Monochromacy



Original Color

77, 112, 104

Achromatopsia

100, 100, 100

Achromatomaly

92, 104, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 112, 104 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(85, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(85, 112, 77)  
}
```

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(85, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 112, 77) }
```

Border

The CSS property to change the border of an element to RYB 77, 112, 104 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(85, 112, 77) }
```

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

```
.border{ border-color:rgb(85, 112, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 112, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(85, 112,  
77) }
```

Background

The CSS property to change the background color of an element to RYB 77, 112, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 112, 77) }
```

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

```
.background{ background-color: rgb(85, 112,  
77) }
```

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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