

Converting Colors

RGB(40, 105, 84)

Have a look what the booklet for
RGB(40, 105, 84) contains.

RGB(40, 105, 84)	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

RGB(40, 105, 84)

Conversions

Conversions Part 1

Format	Color
Hex	286954
RGB	40, 105, 84
RGB Percent	16%, 41%, 33%
CMY	0.8431, 0.5882, 0.6706
CMYK	0.62, 0.00, 0.20, 0.59
HSL	161°, 45%, 28%
HSV	161°, 62%, 41%
XYZ	7.5269, 11.1944, 10.1515
YIQ	83.1710, -31.9990, -20.3110

Conversions

Conversions Part 2

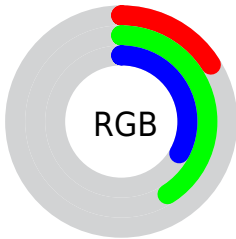
Format	Color
RYB	40, 79, 105
Decimal	2648404
CIELab	39.91, -26.26, 5.70
CIElCh	40, 26.871, 167.751
Yxy	11.1944, 0.2607, 0.3877
Android (android.graphics.Color)	4280838484 (0xFF286954)
YUV	83.1710, 0.4087, -37.8610
Hunter-Lab	33.4580, -18.3952, 5.4313

Details

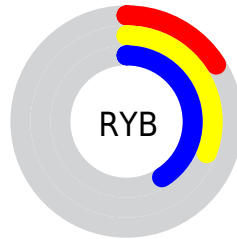
The RGB color **40, 105, 84** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **105, 40, 61**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **92, 157, 134**, and **0, 57, 39** is the 20% darker color. If you saturate the color by 10%, you get **30, 105, 81**, and if you desaturate by 10%, it is **50, 105, 87**.

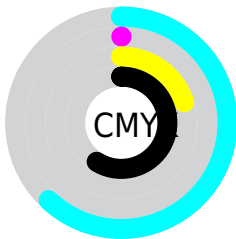
Distribution



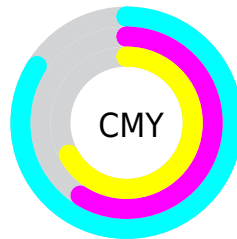
- Red (16%)
- Green (41%)
- Blue (33%)



- Red (16%)
- Yellow (31%)
- Blue (41%)



- Cyan (62%)
- Magenta (0%)
- Yellow (20%)
- Black (59%)



- Cyan (84%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RGB color 40, 105, 84 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 RGB color 40, 105, 84 by changing the saturation by 10% instead.



40, 105, 84



40, 105, 84

255, 255, 255



8, 81, 61



92, 157, 134



0, 57, 39



119, 184, 160



0, 36, 19



145, 212, 187



0, 0, 0



173, 240, 214



201, 255, 243



230, 255, 255



40, 105, 84



40, 105, 84



30, 105, 81



50, 105, 87

■ 19, 105, 77

■ 61, 105, 91

■ 9, 105, 74

■ 72, 105, 94

■ 0, 105, 71

■ 82, 105, 98

■ 93, 105, 101

■ 103, 105, 104

■ 114, 105, 108

■ 124, 105, 111

■ 134, 105, 115

Harmonies

Analogous

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



70, 102, 64



40, 105, 84



0, 106, 107

Triad

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



40, 105, 84



83, 92, 136



131, 82, 62

Complementary

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



40, 105, 84



105, 40, 61

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.



136, 77, 82



40, 105, 84



113, 84, 124

Square

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



40, 105, 84



42, 99, 136



131, 78, 104



116, 90, 51

Rectangle

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



40, 105, 84



0, 105, 120



131, 78, 104



134, 80, 68

Sweetspot

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



40, 105, 84



112, 138, 129



62, 105, 40



53, 69, 64



196, 196, 196



69, 69, 69

Same Dimension

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



40, 105, 84



36, 138, 105



40, 94, 105



48, 54, 52



0, 117, 79



0, 245, 166

Inverse Universe

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



105, 40, 61



138, 36, 69



105, 51, 40



54, 48, 50



117, 0, 38



245, 0, 79

Previews

White Background



This preview shows how the RGB color 40, 105, 84 looks on a white background.

Color Contrast Check

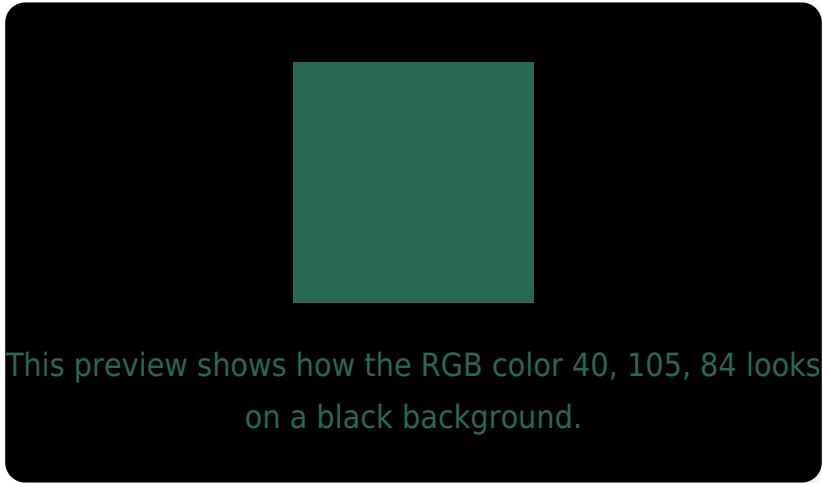
Large Text (above 18pt) WCAG AA ✓ Pass

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

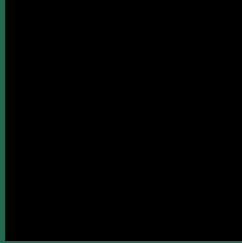
Any Text WCAG AA × Fail

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](#).

RGB 40, 105, 84 Background



This preview shows how black text looks on a background with the RGB color 40, 105, 84.



This preview shows how white text looks on a background with the RGB color 40, 105, 84.

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


40, 105, 84

Protanopia

99, 93, 78

Deuteranopia

105, 90, 87



Tritanopia
50, 101, 110

Trichromacy



Original Color

40, 105, 84

Protanomaly

78, 97, 80

Deuteranomaly

81, 95, 86

Tritanomaly

46, 102, 101

Monochromacy



Original Color

40, 105, 84

Achromatopsia

83, 83, 83

Achromatomaly

67, 91, 83

CSS Examples

Text

The CSS property to change the color of the text to RGB 40, 105, 84 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(40, 105, 84)` looks like.

```
.text, #text, p{  
    color:rgb(40, 105, 84)  
}
```

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(40, 105, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 105, 84) }
```

Border

The CSS property to change the border of an element to RGB 40, 105, 84 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(40, 105, 84) }
```

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

```
.border{ border-color:rgb(40, 105, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 105, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 105, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 105, 84);  
box-shadow:4px 4px 4px 4px rgb(40, 105,  
84) }
```

Background

The CSS property to change the background color of an element to RGB 40, 105, 84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 105, 84) }
```

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

```
.background{ background-color: rgb(40, 105,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor