

# Converting Colors

RGBPercent(46%, 46%, 46%)

Have a look what the booklet for  
RGBPercent(46%, 46%, 46%)  
contains.

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# Color

**RGBPercent(46%, 46%, 46%)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	757575
RGB	117, 117, 117
RGB Percent	46%, 46%, 46%
CMY	0.5400, 0.5400, 0.5400
CMYK	0.00, 0.00, 0.00, 0.54
HSL	0°, 0%, 46%
HSV	0°, 0%, 46%
XYZ	17.0014, 17.8868, 19.4787
YIQ	117.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	117, 117, 117
Decimal	7697781
CIE Lab	49.36, 0.00, -0.01
CIE LCh	49, 0.007, 296.813
Yxy	17.8868, 0.3127, 0.3290
Android (android.graphics.Color)	4285887861 (0xFF757575)
YUV	117.0000, 0.0000, 0.0000
Hunter-Lab	42.2927, -2.2566, 2.2978

# Details

The RGBPercent color **46%, 46%, 46%** is a dark color, and the **websafe** version is hex **666666**, and the color name is **sonic silver**. A complement of this color would be **46%, 46%, 46%**, and the grayscale version is **46%, 46%, 46%**.

A 20% lighter version of the original color is **66%, 66%, 66%**, and **27%, 27%, 27%** is the 20% darker color. If you saturate the color by 10%, you get **46%, 42%, 42%**, and if you desaturate by 10%, it is **46%, 51%, 51%**.

# Distribution



Red (46%)

Green (46%)

Blue (46%)



Red (46%)

Yellow (46%)

Blue (46%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the RGBPercent color 46%, 46%, 46% 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 RGBPercent color 46%, 46%, 46% by changing the saturation by 10% instead.



46%, 46%, 46%  
56%, 56%, 56%  
66%, 66%, 66%  
77%, 77%, 77%  
88%, 88%, 88%  
99%, 99%, 99%  
100%, 100%, 100%

46%, 46%, 46%  
36%, 36%, 36%  
27%, 27%, 27%  
18%, 18%, 18%  
10%, 10%, 10%  
0%, 0%, 0%

46%, 46%, 46%  
46%, 42%, 42%  
46%, 37%, 37%  
46%, 32%, 32%  
46%, 27%, 27%  
46%, 23%, 23%  
46%, 18%, 18%  
46%, 14%, 14%  
46%, 9%, 9%

46%, 46%, 46%  
46%, 51%, 51%  
46%, 55%, 55%  
46%, 60%, 60%  
46%, 64%, 64%  
46%, 69%, 69%  
46%, 74%, 74%  
46%, 78%, 78%  
46%, 83%, 83%

■ 46%, 5%, 5%

■ 46%, 87%, 87%

# Harmonies

# Sweetspot

The sweet spot groups the original color and five complimentary colors.



46%, 46%, 46%



60%, 60%, 60%



30%, 30%, 30%



80%, 80%, 80%

# Previews

## White Background



This preview shows how the RGBPercent color 46%, 46%, 46% looks on a white background.

## Color Contrast Check

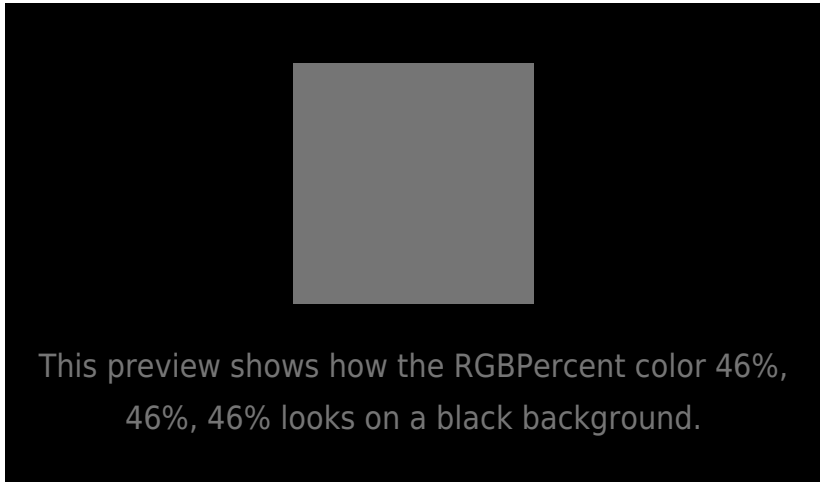
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

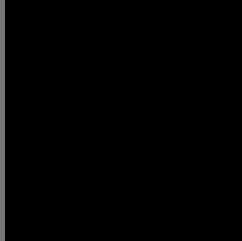
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

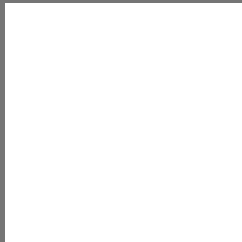
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# RGBPercent 46%, 46%, 46%

## Background



This preview shows how black text looks on a background with the RGBPercent color 46%, 46%, 46%.



This preview shows how white text looks on a background with the RGBPercent color 46%, 46%, 46%.

# 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

46%, 46%, 46%


### Protanopia

47%, 46%, 46%

### Deuteranopia

50%, 45%, 46%





**Tritanopia**  
47%, 45%, 49%

# Trichromacy



## Original Color

46%, 46%, 46%

## Protanomaly

46%, 46%, 46%

## Deuteranomaly

49%, 45%, 46%

## Tritanomaly

46%, 45%, 48%

# Monochromacy



## Original Color

46%, 46%, 46%

## Achromatopsia

46%, 46%, 46%

## Achromatomaly

46%, 46%, 46%

# CSS Examples

## Text

The CSS property to change the color of the text to RGBPercent 46%, 46%, 46% 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(46%, 46%, 46%)` looks like.

```
.text, #text, p{  
    color:rgb(46%, 46%, 46%)  
}
```

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(46%, 46%, 46%) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46%, 46%, 46%) }
```

## Border

The CSS property to change the border of an element to RGBPercent 46%, 46%, 46% 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(46%, 46%, 46%) }
```

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

```
.border{ border-color:rgb(46%, 46%, 46%) }
```

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

Here you see how a box with a 4 pixel rgb(46%, 46%, 46%) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46%, 46%, 46%); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46%, 46%, 46%);  
box-shadow:4px 4px 4px 4px rgb(46%, 46%,  
46%) }
```

# Background

The CSS property to change the background color of an element to RGBPercent 46%, 46%, 46% is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46%, 46%, 46%) }
```

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

```
.background{ background-color: rgb(46%,  
46%, 46%) }
```

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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