# Converting Colors

RGB(255, 255, 255)

Have a look what the booklet for RGB(255, 255, 255) contains.

**RGB(255, 255, 255)** ..... 3
***Conversions*** ..... 4
***Details*** ..... 6
***Harmonies*** ..... 10
***Previews*** ..... 14
***Color Blindness Simulation*** ..... 17
***CSS Examples*** ..... 20

# Color

## RGB(255, 255, 255)

# Conversions

Conversions Part 1

| Format | Color |
| --- | --- |
| Hex | FFFFFF |
| RGB | 255, 255, 255 |
| RGB Percent | 100%, 100%, 100% |
| CMY | 0.0000, 0.0000, 0.0000 |
| CMYK | 0.00, 0.00, 0.00, 0.00 |
| HSL | 0°, 0%, 100% |
| HSV | 0°, 0%, 100% |
| XYZ | 95.0500, 100.0000, 108.9000 |
| YIQ | 255.0000, -0.0000, -0.0000 |

# Conversions

Conversions Part 2

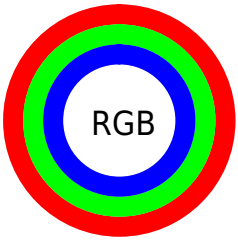
| Format | Color |
| --- | --- |
| RYB | 255, 255, 255 |
| Decimal | 16777215 |
| CIELab | 100.00, 0.01, -0.01 |
| CIELCh | 100, 0.012, 296.813 |
| Yxy | 100.0000, 0.3127, 0.3290 |
| Android (android.graphics.Color) | 4294967295 (0xFFFFFFFF) |
| YUV | 255.0000, 0.0000, 0.0000 |
| Hunter-Lab | 100.0000, -5.3358, 5.4332 |

# Details

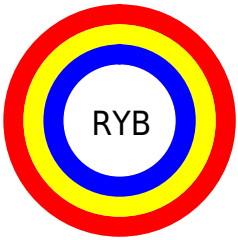
The RGB color 255, 255, 255 is a light color, and the websafe version is hex FFFFFF, and the color name is white. A complement of this color would be 255, 255, 255, and the grayscale version is 255, 255, 255.

A 20% lighter version of the original color is 255, 255, 255, and 198, 198, 198 is the 20% darker color. If you saturate the color by 10%, you get 255, 230, 230, and if you desaturate by 10%, it is 255, 255, 255.

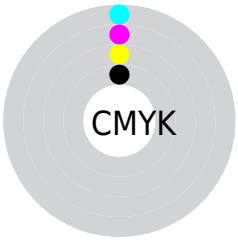
# Distribution



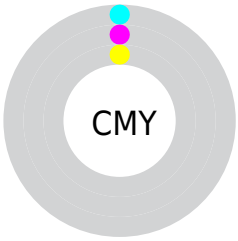

- Red (100%)
- Green (100%)
- Blue (100%)




- Red (100%)
- Yellow (100%)
- Blue (100%)




- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 255, 255, 255 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 255, 255, 255 by changing the saturation by 10% instead.

| | |
|---|---|
| 255, 255, 255 | 255, 255, 255 |
| 226, 226, 226 | 255, 230, 230 |
| 198, 198, 198 | 255, 204, 204 |
| 171, 171, 171 | 255, 179, 179 |
| 145, 145, 145 | 255, 153, 153 |
| 119, 119, 119 | 255, 128, 128 |
| 94, 94, 94 | 255, 102, 102 |
| 71, 71, 71 | 255, 77, 77 |
| 48, 48, 48 | 255, 51, 51 |
| 27, 27, 27 | 255, 25, 25 |

# Harmonies

# Sweetspot

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

255, 255, 255

128, 128, 128

0, 0, 0

# Same Dimension

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

255, 255, 255

128, 128, 128

191, 0, 0

64, 0, 0

# Inverse Universe

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

255, 255, 255

128, 128, 128

0, 191, 191

0, 64, 64

# Previews

## White Background

### Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

## Black Background

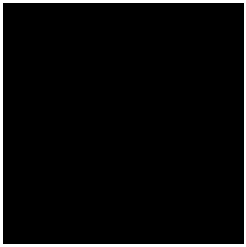
This preview shows how the RGB color 255, 255, 255 looks on a black background.

### 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 ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

# RGB 255, 255, 255 Background



This preview shows how black text looks on a background with the RGB color 255, 255, 255.

# 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**
255, 255, 255

**Protanopia**
255, 255, 255

**Deuteranopia**
255, 255, 255

**Tritanopia**
255, 255, 255

# Trichromacy

**Original Color**
255, 255, 255

**Protanomaly**
255, 255, 255

**Deuteranomaly**
255, 255, 255

**Tritanomaly**
255, 255, 255

# Monochromacy

**Original Color**
255, 255, 255

**Achromatopsia**
255, 255, 255

**Achromatomaly**
255, 255, 255

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 255, 255, 255 is called "color". The color property can be set on classes, ids or directly on the HTML element.

```
.text, #text, p{
    color:rgb(255, 255, 255)
}
```

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(255, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 255) }
```

## Border

The CSS property to change the border of an element to RGB 255, 255, 255 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(255, 255, 255) }
```

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

```
.border{ border-color:rgb(255, 255, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 255); box-shadow:4px 4px 4px 4px rgb(255, 255, 255) }
```

# Background

The CSS property to change the background color of an element to RGB 255, 255, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 255, 255) }
```

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

```
.background{ background-color:rgb(255,
255, 255) }
```

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