

# Converting Colors

HSV(300°, 0%, 95%)

Have a look what the booklet for  
HSV(300°, 0%, 95%) contains.

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# Color

**HSV(0°, 0%, 95%)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2F2F2
RGB	242, 242, 242
RGB Percent	95%, 95%, 95%
CMY	0.0500, 0.0500, 0.0500
CMYK	0.00, 0.00, 0.00, 0.05
HSL	0°, 0%, 95%
HSV	0°, 0%, 95%
XYZ	84.5950, 89.0005, 96.9216

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 242, 242
Decimal	15921906
CIE <sub>Lab</sub>	95.58, 0.01, -0.01
CIE <sub>LCh</sub>	96, 0.011, 296.813
Yxy	89.0005, 0.3127, 0.3290
Android (android.graphics.Color)	4294111986 (0xFFFF2F2F2)
YUV	242.0000, 0.0000, 0.0000

# Details

The HSV color  $0^\circ, 0\%, 95\%$  is a light color, and the **websafe** version is hex FFFFFFFF. A complement of this color would be  $0^\circ, 0\%, 95\%$ , and the grayscale version is  $0^\circ, 0\%, 95\%$ .

A 20% lighter version of the original color is  $0^\circ, 0\%, 100\%$ , and  $0^\circ, 0\%, 73\%$  is the 20% darker color. If you saturate the color by 10%, you get  $0^\circ, 0\%, 95\%$ , and if you desaturate by 10%, it is  $0^\circ, 0\%, 95\%$ .

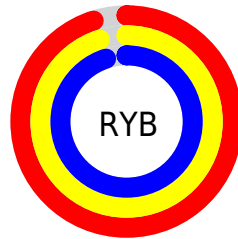
# Distribution



Red (95%)

Green (95%)

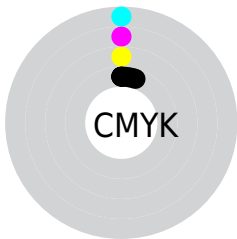
Blue (95%)



Red (95%)

Yellow (95%)

Blue (95%)

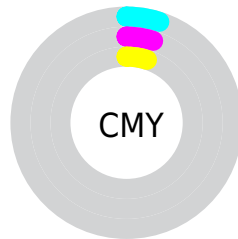


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the HSV color 0°, 0%, 95% 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 HSV color 0°, 0%, 95% by changing the saturation by 10% instead.



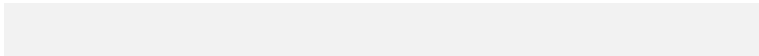
0°, 0%, 95%  
0°, 0%, 100%

0°, 0%, 95%  
149°, 0%, 84%  
190°, 0%, 73%  
215°, 0%, 62%  
227°, 0%, 52%  
235°, 0%, 42%  
240°, 0%, 33%  
244°, 0%, 24%  
246°, 0%, 15%  
248°, 0%, 7%

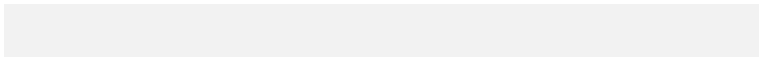
# Harmonies

## Analogous

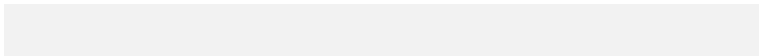
The analogous color harmony consists of three colors that are next to each other on the color wheel.



164°, 0%, 95%



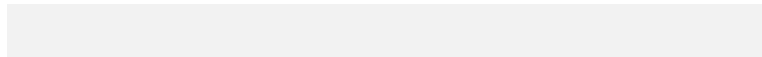
0°, 0%, 95%



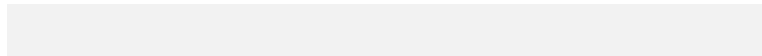
26°, 0%, 95%

# Triad

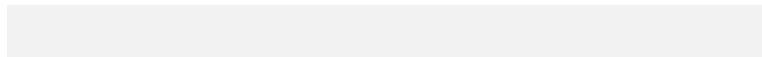
The triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



121°, 0%, 95%



41°, 0%, 95%



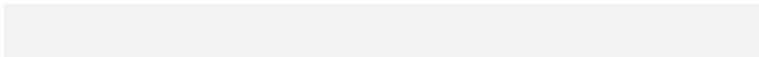
125°, 0%, 95%

# Split Complementary

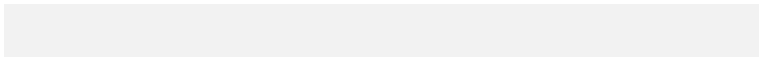
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97°, 0%, 95%



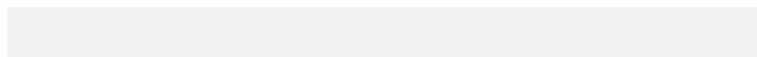
0°, 0%, 95%



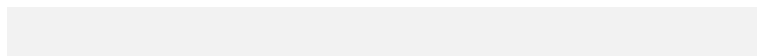
54°, 0%, 95%

# Square

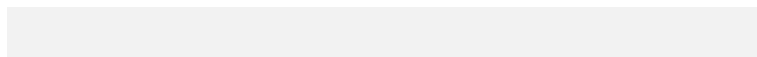
The square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



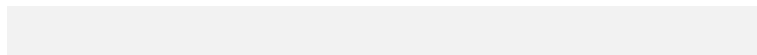
121°, 0%, 95%



33°, 0%, 95%



75°, 0%, 95%



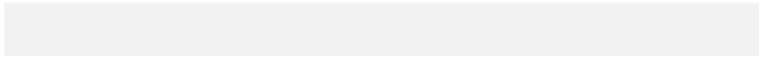
145°, 0%, 95%

# Rectangle

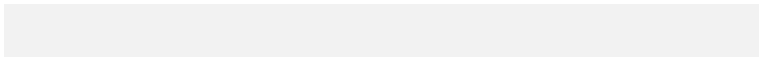
The rectangle color scheme consists of four colors that form a rectangle on the color wheel.



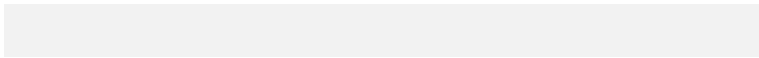
0°, 0%, 95%



26°, 0%, 95%



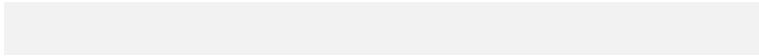
75°, 0%, 95%



115°, 0%, 95%

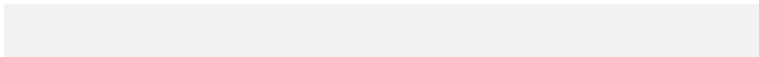
# Sweetspot

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



0°, 0%, 95%

0°, 0%, 100%



300°, 0%, 95%



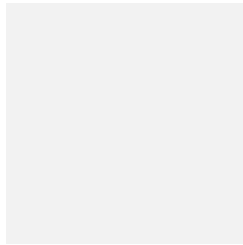
0°, 0%, 50%



0°, 0%, 0%

# Previews

## White Background



This preview shows how the HSV color 0°, 0%, 95% looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

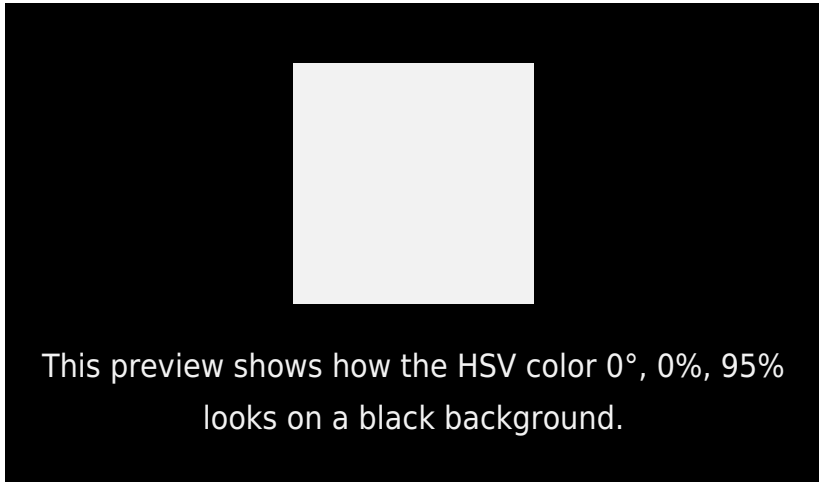
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

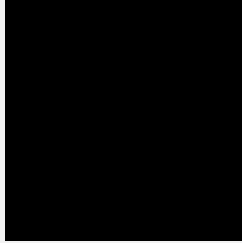
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

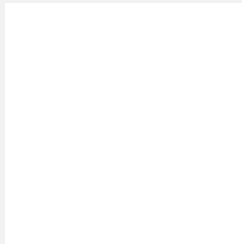
Any Text WCAG AAA ✓ Pass

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

## HSV 0°, 0%, 95% Background



This preview shows how black text looks on a background with the HSV color 0°, 0%, 95%.

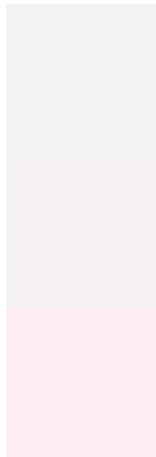


This preview shows how white text looks on a background with the HSV color 0°, 0%, 95%.

# 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**

0°, 0%, 95%

**Protanopia**

348°, 2%, 96%

**Deuteranopia**

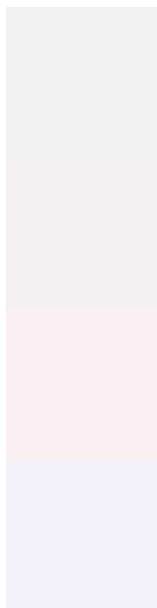
342°, 7%, 100%



## Tritanopia

256°, 6%, 100%

# Trichromacy



## Original Color

0°, 0%, 95%

## Protanomaly

345°, 2%, 96%

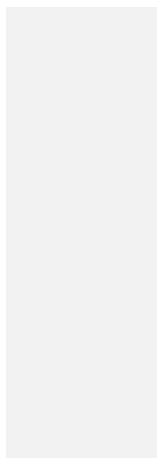
## Deuteranomaly

342°, 4%, 98%

## Tritanomaly

253°, 4%, 98%

# Monochromacy



## Original Color

0°, 0%, 95%

## Achromatopsia

0°, 0%, 95%

## Achromatomaly

0°, 0%, 95%

# CSS Examples

## Text

The CSS property to change the color of the text to HSV 0°, 0%, 95% 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(242, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 242)  
}
```

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(242, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 242) }
```

## Border

The CSS property to change the border of an element to HSV 0°, 0%, 95% 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(242, 242, 242) }
```

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

```
.border{ border-color:rgb(242, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
242) }
```



# Background

The CSS property to change the background color of an element to HSV 0°, 0%, 95% is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 242) }
```

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

```
.background{ background-color: rgb(242,  
242, 242) }
```

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? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



## **HOWCOLORS.WORK**

**A CSS color notation guide.**

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

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You will learn all the current and new ways to express colors to prepare yourself for the future!

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