

Converting Colors

`RYB(199, 199, 199)`

Have a look what the booklet for
RYB(199, 199, 199) contains.

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Color

R_YB(199, 199, 199)

Conversions

Conversions Part 1

Format	Color
Hex	C7C7C7
RGB	199, 199, 199
RGB Percent	78%, 78%, 78%
CMY	0.2196, 0.2196, 0.2196
CMYK	0.00, 0.00, 0.00, 0.22
HSL	0°, 0%, 78%
HSV	0°, 0%, 78%
XYZ	54.2854, 57.1125, 62.1955
YIQ	199.0000, -0.0000, 0.0000

Conversions

Conversions Part 2

Format	Color
RYB	199, 199, 199
Decimal	13092807
CIELab	80.24, 0.00, -0.01
CIElCh	80, 0.010, 296.813
Yxy	57.1125, 0.3127, 0.3290
Android (android.graphics.Color)	4291282887 (0xFFC7C7C7)
YUV	199.0000, 0.0000, 0.0000
Hunter-Lab	75.5728, -4.0324, 4.1060

Details

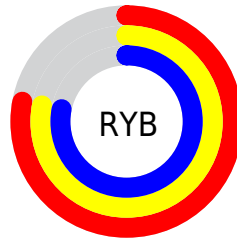
The RYB color `199, 199, 199` is a light color, and the **websafe** version is hex `CCCCCC`. A complement of this color would be `199, 199, 199`, and the grayscale version is `199, 199, 199`.

A 20% lighter version of the original color is `255, 255, 255`, and `145, 145, 145` is the 20% darker color. If you saturate the color by 10%, you get `199, 179, 179`, and if you desaturate by 10%, it is `199, 209, 219`.

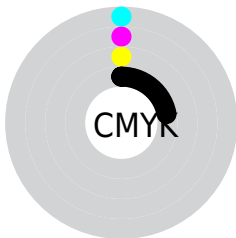
Distribution



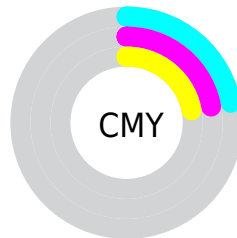
- Red (78%)
- Green (78%)
- Blue (78%)



- Red (78%)
- Yellow (78%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the RYB color 199, 199, 199 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 199, 199, 199 by changing the saturation by 10% instead.


 199, 199, 199


 227, 227, 227

255, 255, 255


 199, 199, 199

 172, 172, 172

 145, 145, 145


 120, 120, 120

 95, 95, 95


 71, 71, 71


 49, 49, 49

 28, 28, 28

 1, 1, 1

 0, 0, 0


 199, 199, 199

 199, 179, 179

 199, 159, 159

 199, 139, 139

 199, 119, 119

 199, 100, 100

 199, 199, 199

 199, 209, 219

 199, 219, 239

 199, 227, 255

■ 199, 80, 80

■ 199, 60, 60

■ 199, 40, 40

■ 199, 20, 20

Harmonies

Sweetspot

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



199, 199, 199

255, 255, 255



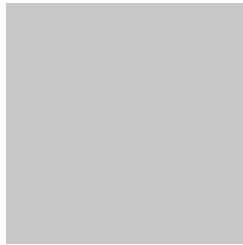
128, 128, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 199, 199, 199 looks on a white background.

Color Contrast Check

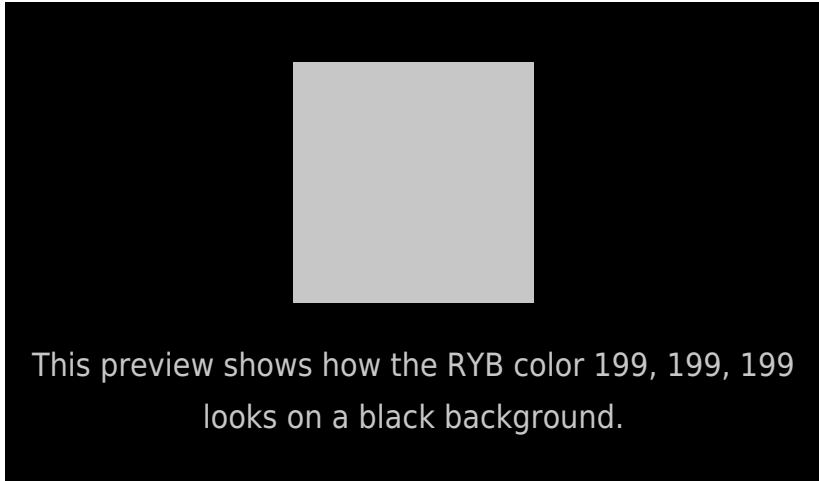
Large Text (above 18pt) WCAG AA × Fail

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

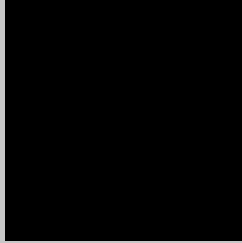
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

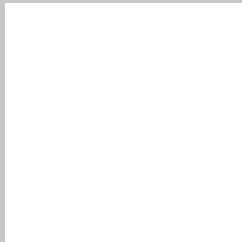
Any Text WCAG AAA ✓ Pass

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

RYB 199, 199, 199 Background



This preview shows how black text looks on a background with the RYB color 199, 199, 199.

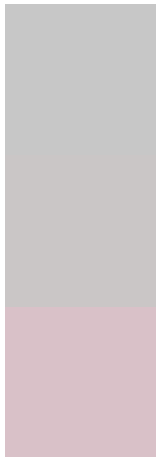


This preview shows how white text looks on a background with the RYB color 199, 199, 199.

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
199, 199, 199

Protanopia
202, 198, 198

Deuteranopia
217, 193, 200



Tritanopia
201, 197, 212

Trichromacy



Original Color

199, 199, 199

Protanomaly

201, 198, 198

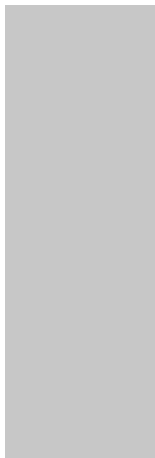
Deuteranomaly

210, 195, 200

Tritanomaly

200, 198, 207

Monochromacy



Original Color

199, 199, 199

Achromatopsia

199, 199, 199

Achromatomaly

199, 199, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 199, 199 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(199, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 199)  
}
```

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(199, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 199) }
```

Border

The CSS property to change the border of an element to RYB 199, 199, 199 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(199, 199, 199) }
```

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

```
.border{ border-color:rgb(199, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 199, 199, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 199) }
```

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

```
.background{ background-color: rgb(199,  
199, 199) }
```

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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