Converting Colors

RYB(34, 34, 34)

Have a look what the booklet for RYB(34, 34, 34) contains.

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Color

RYB(34, 34, 34)

Conversions

Conversions Part 1

Format	Color
Hex	222222
RGB	34, 34, 34
RGB Percent	13%, 13%, 13%
CMY	0.8667, 0.8667, 0.8667
CMYK	0.00, 0.00, 0.00, 0.87
HSL	0°, 0%, 13%
HSV	0°, 0%, 13%
XYZ	1.5204, 1.5996, 1.7420
YIQ	34.0000, -0.0000, 0.0000

Conversions

Conversions Part 2

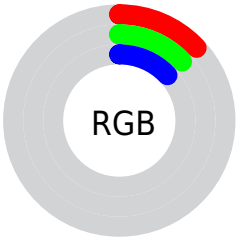
Format	Color
RYB	34, 34, 34
Decimal	2236962
CIELab	13.23, 0.00, -0.00
CIELCh	13, 0.003, 296.813
Yxy	1.5996, 0.3127, 0.3290
Android (android.graphics.Color)	4280427042 (0xFF222222)
YUV	34.0000, 0.0000, 0.0000
Hunter-Lab	12.6476, -0.6748, 0.6872

Details

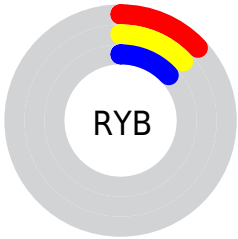
The RYB color 34, 34, 34 is a dark color, and the websafe version is hex 333333. A complement of this color would be 34, 34, 34, and the grayscale version is 34, 34, 34.

A 20% lighter version of the original color is 78, 78, 78, and 0, 0, 0 is the 20% darker color. If you saturate the color by 10%, you get 34, 31, 31, and if you desaturate by 10%, it is 34, 36, 37.

Distribution

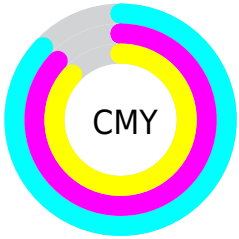


- Red (13%)
- Green (13%)
- Blue (13%)



- Red (13%)
- Yellow (13%)
- Blue (13%)

- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (87%)



- Cyan (87%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 34, 34, 34 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 34, 34, 34 by changing the saturation by 10% instead.

34, 34, 34

255, 255, 255

78, 78, 78

102, 102, 102

127, 127, 127

153, 153, 153

180, 180, 180

207, 207, 207

236, 236, 236

34, 34, 34

12, 12, 12

0, 0, 0

34, 34, 34

34, 31, 31

34, 27, 27

34, 24, 24

34, 20, 20

34, 17, 17

34, 14, 14

34, 10, 10

34, 7, 7

34, 3, 3

34, 36, 37

34, 38, 41

34, 39, 44

34, 41, 48

34, 43, 51

34, 44, 54

34, 46, 58

34, 48, 61

34, 50, 65

Harmonies

Sweetspot

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

34, 34, 34

43, 43, 43

23, 23, 23

150, 150, 150

Same Dimension

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

34, 34, 34

43, 43, 43

18, 18, 18

82, 0, 0

209, 0, 0

Inverse Universe

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

34, 34, 34

43, 43, 43

18, 18, 18

0, 41, 82

0, 105, 209

Previews

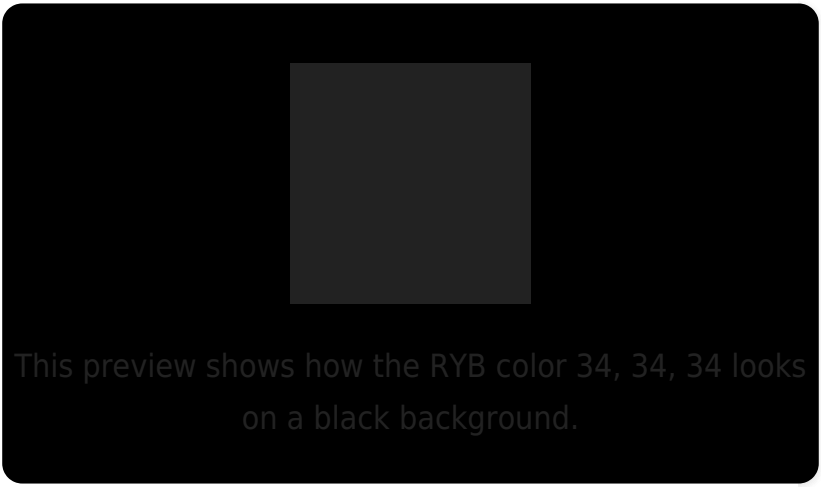
White Background

This preview shows how the RYB color 34, 34, 34 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 ✓ Pass

Black Background

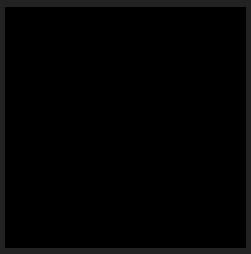


Color Contrast Check

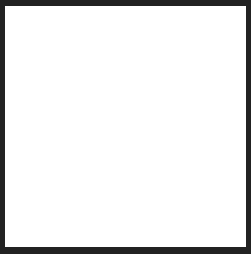
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 34, 34, 34 Background



This preview shows how black text looks on a background with the RYB color 34, 34, 34.



This preview shows how white text looks on a background with the RYB color 34, 34, 34.

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
34, 34, 34

Protanopia
35, 34, 34

Deuteranopia
37, 33, 34

Tritanopia
34, 34, 36

Trichromacy

Original Color
34, 34, 34

Protanomaly
35, 34, 34

Deuteranomaly
36, 33, 34

Tritanomaly
34, 34, 35

Monochromacy

Original Color
34, 34, 34

Achromatopsia
34, 34, 34

Achromatomaly
34, 34, 34

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 34, 34 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(34, 34, 34) looks like.

```
.text, #text, p{
    color:rgb(34, 34, 34)
}
```

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(34, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 34, 34) }
```

Border

The CSS property to change the border of an element to RYB 34, 34, 34 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(34, 34, 34) }
```

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

```
.border{ border-color:rgb(34, 34, 34) }
```

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

Here you see how a box with a 4 pixel rgb(34, 34, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 34, 34); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 34, 34); box-shadow:4px 4px 4px 4px rgb(34, 34, 34) }
```

Background

The CSS property to change the background color of an element to RYB 34, 34, 34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(34, 34, 34) }
```

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

```
.background{ background-color:rgb(34, 34,
34) }
```

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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