

Converting Colors

`RYB(224, 65, 65)`

Have a look what the booklet for
RYB(224, 65, 65) contains.

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Color

RYB(224, 65, 65)

Conversions

Conversions Part 1

Format	Color
Hex	E04141
RGB	224, 65, 65
RGB Percent	88%, 25%, 25%
CMY	0.1216, 0.7451, 0.7451
CMYK	0.00, 0.71, 0.71, 0.12
HSL	0°, 72%, 57%
HSV	0°, 71%, 88%
XYZ	33.5849, 20.0095, 7.0931
YIQ	112.5410, 94.7640, 33.7080

Conversions

Conversions Part 2

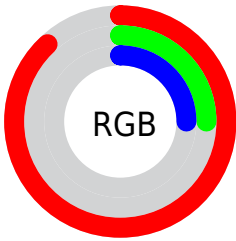
Format	Color
RYB	224, 65, 65
Decimal	14696769
CIELab	51.85, 61.04, 36.51
CIELCh	52, 71.121, 30.883
Yxy	20.0095, 0.5534, 0.3297
Android (android.graphics.Color)	4292886849 (0xFFE04141)
YUV	112.5410, -23.4377, 97.7495
Hunter-Lab	44.7320, 55.7371, 21.9108

Details

The RYB color **224, 65, 65** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **65, 145, 224**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **255, 124, 113**, and **161, 0, 22** is the 20% darker color. If you saturate the color by 10%, you get **224, 43, 43**, and if you desaturate by 10%, it is **224, 87, 87**.

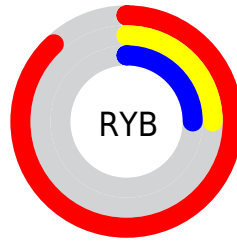
Distribution



Red (88%)

Green (25%)

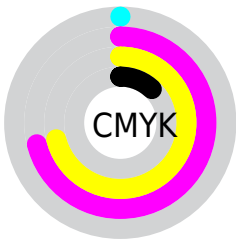
Blue (25%)



Red (88%)

Yellow (25%)

Blue (25%)

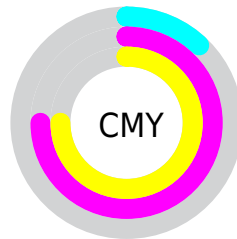


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (12%)



Cyan (12%)

















Magenta (75%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the RYB color 224, 65, 65 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 224, 65, 65 by changing the saturation by 10% instead.


 224, 65, 65	 224, 65, 65
 255, 255, 255	 192, 31, 43
 255, 124, 113	 161, 0, 22
 255, 152, 139	 130, 0, 0
 255, 183, 165	 99, 0, 0
 255, 215, 193	 70, 0, 2
 253, 255, 220	 39, 0, 1
 249, 255, 249	 0, 0, 0


 224, 65, 65	 224, 65, 65
 224, 43, 43	 224, 87, 87

 224, 20, 20

 224, 110, 110

 224, 0, 0

 224, 132, 132

 224, 155, 155

 224, 177, 177

 224, 199, 199

 224, 222, 222

 224, 234, 244

 224, 240, 255

Harmonies

Analogous

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



227, 48, 125



224, 65, 65



195, 193, 0

Triad

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



224, 65, 65



0, 103, 146



0, 86, 247

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



224, 65, 65



65, 145, 224

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.



0, 89, 230



224, 65, 65



0, 82, 150

Square

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



224, 65, 65



0, 138, 52



0, 83, 185



120, 106, 229

Rectangle

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



224, 65, 65



74, 165, 0



0, 83, 185



0, 88, 245

Sweetspot

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



224, 65, 65



255, 201, 201



224, 65, 224



128, 96, 96



0, 0, 0



128, 128, 128

Same Dimension

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



224, 65, 65



255, 38, 38



222, 224, 65



112, 101, 101



176, 0, 0



48, 0, 0

Inverse Universe

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



65, 145, 224



38, 147, 255



65, 118, 224



101, 107, 112



0, 88, 176



0, 24, 48

Previews

White Background



This preview shows how the RYB color 224, 65, 65 looks on a white background.

Color Contrast Check

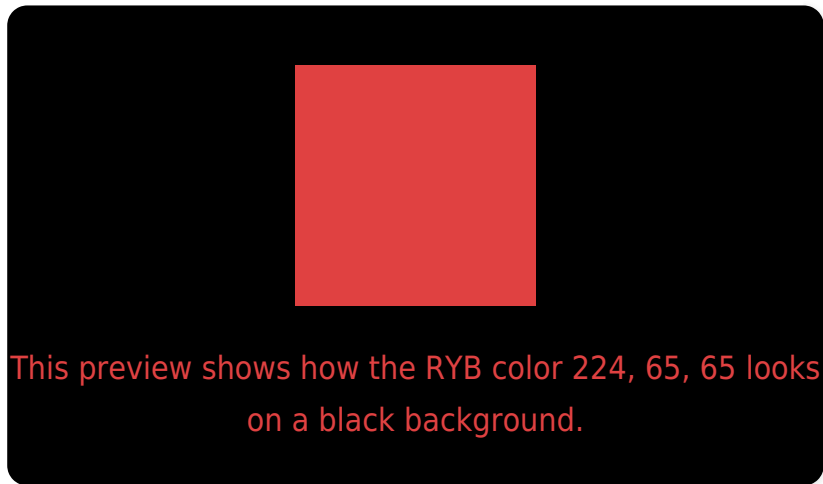
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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

RYB 224, 65, 65 Background



This preview shows how black text looks on a background with the RYB color 224, 65, 65.

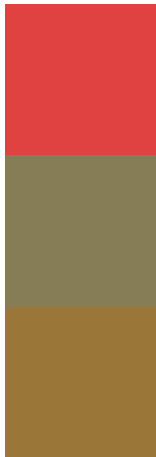


This preview shows how white text looks on a background with the RYB color 224, 65, 65.

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
224, 65, 65

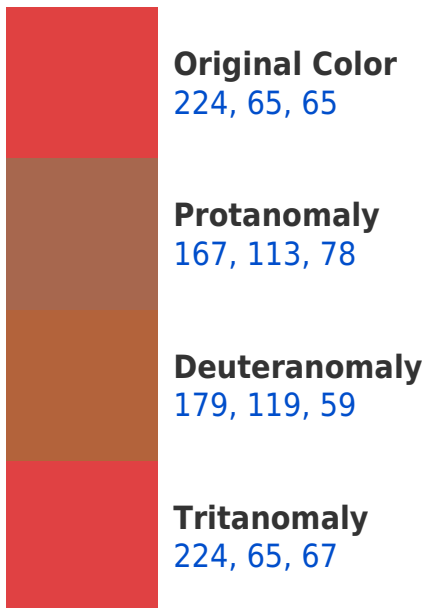
Protanopia
99, 134, 86

Deuteranopia
113, 154, 56

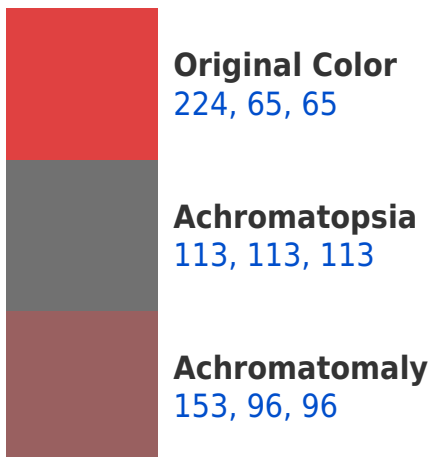


Tritanopia
224, 65, 68

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 65, 65 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(224, 65, 65)` looks like.

```
.text, #text, p{  
    color:rgb(224, 65, 65)  
}
```

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(224, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 65, 65) }
```

Border

The CSS property to change the border of an element to RYB 224, 65, 65 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(224, 65, 65) }
```

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

```
.border{ border-color:rgb(224, 65, 65) }
```

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

Here you see how a box with a 4 pixel rgb(224, 65, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(224, 65,  
65) }
```

Background

The CSS property to change the background color of an element to RGB 224, 65, 65 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 65, 65) }
```

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

```
.background{ background-color: rgb(224, 65,  
65) }
```

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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