

Converting Colors

`RYB(234, 20, 45)`

Have a look what the booklet for
RYB(234, 20, 45) contains.

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Color

RYB(234, 20, 45)

Conversions

Conversions Part 1

Format	Color
Hex	EA142D
RGB	234, 20, 45
RGB Percent	92%, 8%, 18%
CMY	0.0824, 0.9216, 0.8235
CMYK	0.00, 0.91, 0.81, 0.08
HSL	353°, 84%, 50%
HSV	353°, 91%, 92%
XYZ	34.6555, 18.1822, 4.1656
YIQ	86.8360, 119.5190, 53.1430

Conversions

Conversions Part 2

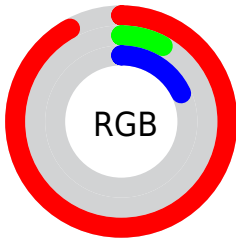
Format	Color
RYB	234, 20, 45
Decimal	15340589
CIELab	49.72, 73.94, 45.91
CIELCh	50, 87.037, 31.837
Yxy	18.1822, 0.6080, 0.3190
Android (android.graphics.Color)	4293530669 (0xFFEA142D)
YUV	86.8360, -20.6251, 129.0628
Hunter-Lab	42.6406, 70.4521, 24.0563

Details

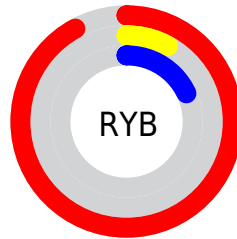
The RYB color **234, 20, 45** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **20, 134, 234**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **255, 97, 92**, and **169, 0, 0** is the 20% darker color. If you saturate the color by 10%, you get **234, 0, 27**, and if you desaturate by 10%, it is **234, 43, 66**.

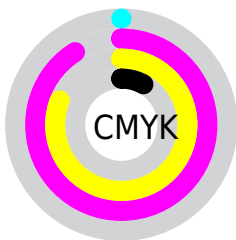
Distribution



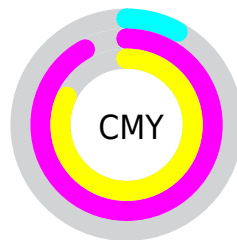
- Red (92%)
- Green (8%)
- Blue (18%)



- Red (92%)
- Yellow (8%)
- Blue (18%)



- Cyan (0%)
- Magenta (91%)
- Yellow (81%)
- Black (8%)



- Cyan (8%)
- Magenta (92%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 20, 45 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 234, 20, 45 by changing the saturation by 10% instead.

 234, 20, 45

 234, 20, 45

255, 255, 255

 201, 0, 23

 255, 97, 92

 169, 0, 0

 255, 129, 117

 136, 0, 0

 255, 160, 143

 104, 0, 1

 255, 192, 169

 75, 0, 4

 255, 228, 197

 42, 0, 1

 236, 255, 225

 0, 0, 0

254, 255, 254

 234, 20, 45

 234, 20, 45

■ 234, 0, 27

■ 234, 43, 66

■ 234, 67, 86

■ 234, 90, 107

■ 234, 114, 128

■ 234, 137, 148

■ 234, 160, 169

■ 234, 184, 190

■ 234, 207, 210

■ 234, 231, 231

Harmonies

Analogous

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



241, 0, 117



234, 20, 45



197, 150, 0

Triad

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



234, 20, 45



0, 113, 144



0, 85, 255

Complementary

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



234, 20, 45



20, 134, 234

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, 91, 250



234, 20, 45



0, 81, 148

Square

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



234, 20, 45



0, 135, 75



0, 84, 195



109, 95, 246

Rectangle

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



234, 20, 45



79, 161, 0



0, 84, 195



0, 88, 255

Sweetspot

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



234, 20, 45



255, 186, 194



205, 20, 234



128, 87, 91



0, 0, 0



128, 128, 128

Same Dimension

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



234, 20, 45



255, 0, 30



234, 143, 20



117, 106, 107



181, 0, 21



54, 0, 6

Inverse Universe

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



234, 20, 45



255, 0, 30



20, 103, 234



117, 106, 107



181, 0, 21



54, 0, 6

Previews

White Background



This preview shows how the RYB color 234, 20, 45 looks on a white background.

Color Contrast Check

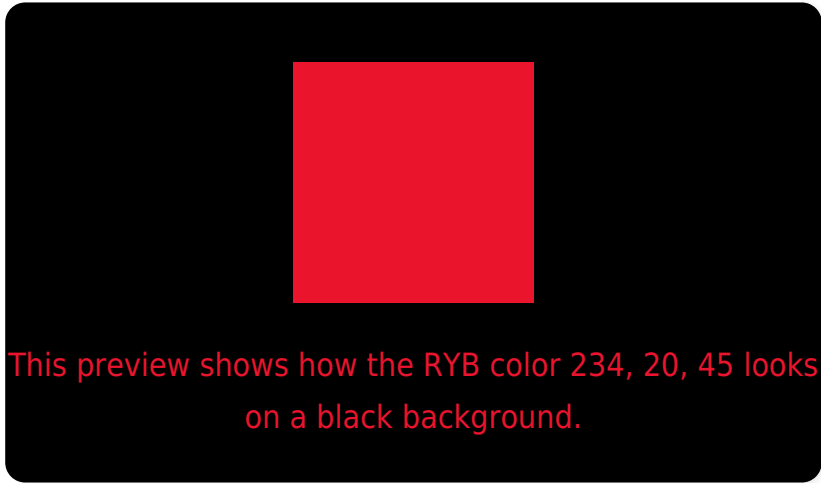
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × 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](#).

R Y B 234, 20, 45 Background



This preview shows how black text looks on a background with the R Y B color 234, 20, 45.



This preview shows how white text looks on a background with the R Y B color 234, 20, 45.

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
234, 20, 45

Protanopia
84, 131, 69

Deuteranopia
80, 150, 27



Tritanopia
234, 26, 19

Trichromacy



Original Color

234, 20, 45

Protanomaly

168, 89, 60

Deuteranomaly

181, 99, 34

Tritanomaly

234, 24, 28

Monochromacy



Original Color

234, 20, 45

Achromatopsia

87, 87, 87

Achromatomaly

140, 63, 72

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 20, 45 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(234, 20, 45)` looks like.

```
.text, #text, p{  
    color:rgb(234, 20, 45)  
}
```

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(234, 20, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 20, 45) }
```

Border

The CSS property to change the border of an element to RYB 234, 20, 45 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(234, 20, 45) }
```

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

```
.border{ border-color:rgb(234, 20, 45) }
```

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

Here you see how a box with a 4 pixel rgb(234, 20, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 20, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 20, 45);  
box-shadow:4px 4px 4px 4px rgb(234, 20,  
45) }
```

Background

The CSS property to change the background color of an element to RGB 234, 20, 45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 20, 45) }
```

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

```
.background{ background-color: rgb(234, 20,  
45) }
```

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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