Converting Colors

RYB(213, 135, 37)

Have a look what the booklet for RYB(213, 135, 37) contains.

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Color

RYB(213, 135, 37)

Conversions

Conversions Part 1

Format	Color
Hex	D56425
RGB	213, 100, 37
RGB Percent	84%, 39%, 15%
CMY	0.1647, 0.6080, 0.8549
CMYK	0.00, 0.53, 0.83, 0.16
HSL	21°, 70%, 49%
HSV	21°, 83%, 84%
XYZ	32.3268, 23.3842, 4.5601
YIQ	126.6050, 87.5710, 4.3630

Conversions

Conversions Part 2

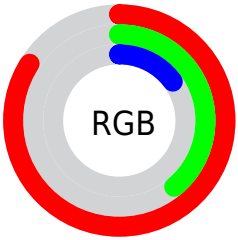
Format	Color
RYB	213, 135, 37
Decimal	13984805
CIELab	55.47, 40.97, 53.76
CIELCh	55, 67.596, 52.689
Yxy	23.3842, 0.5364, 0.3880
Android (android.graphics.Color)	4292174885 (0xFFD56425)
YUV	126.6050, -44.1753, 75.7684
Hunter-Lab	48.3573, 34.7018, 28.2591

Details

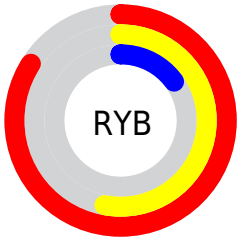
The RYB color 213, 135, 37 is a dark color, and the websafe version is hex CC6633. The color can be described as dark washed orange. A complement of this color would be 37, 106, 213, and the grayscale version is 127, 127, 127.

A 20% lighter version of the original color is 255, 194, 88, and 151, 73, 0 is the 20% darker color. If you saturate the color by 10%, you get 213, 125, 16, and if you desaturate by 10%, it is 213, 146, 58.

Distribution

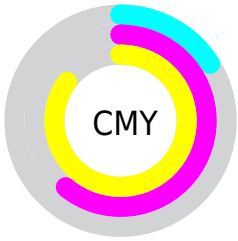


- Red (84%)
- Green (39%)
- Blue (15%)



- Red (84%)
- Yellow (53%)
- Blue (15%)

- Cyan (0%)
- Magenta (53%)
- Yellow (83%)
- Black (16%)



- Cyan (16%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 135, 37 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 213, 135, 37 by changing the saturation by 10% instead.

213, 135, 37

255, 255, 255

255, 196, 87

255, 240, 113

217, 255, 140

190, 255, 167

194, 255, 194

223, 255, 223

252, 255, 252

213, 135, 37

213, 135, 37

182, 116, 7

151, 73, 0

121, 25, 0

91, 0, 0

63, 0, 0

35, 0, 1

0, 0, 0

213, 135, 37

213, 135, 37

213, 125, 16

213, 118, 0

213, 146, 58

213, 153, 80

213, 163, 101

213, 174, 122

213, 181, 144

213, 191, 165

213, 202, 186

213, 210, 207

213, 219, 229

Harmonies

Analogous

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

235, 74, 91

213, 135, 37

65, 172, 0

Triad

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

213, 135, 37

0, 91, 158

99, 120, 242

Complementary

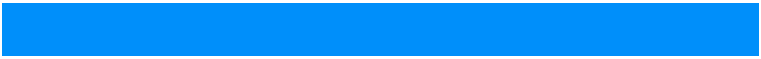
The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

213, 135, 37

37, 106, 213

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

213, 135, 37

0, 84, 177

Square

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

213, 135, 37

22, 126, 153

0, 92, 226

189, 95, 205

Rectangle

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

213, 135, 37

0, 138, 1

0, 92, 226

27, 98, 248

Sweetspot

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

213, 135, 37

255, 227, 191

213, 37, 151

128, 111, 89

0, 0, 0

128, 128, 128

Same Dimension

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

213, 135, 37

255, 143, 3

68, 213, 37

107, 102, 96

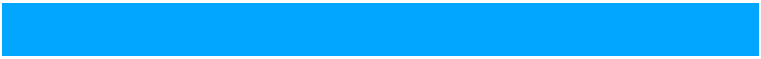
171, 95, 0

43, 25, 0

Inverse Universe

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

37, 106, 213



3, 102, 255

37, 60, 213

96, 100, 107

0, 67, 171

0, 17, 43

Previews

White Background

This preview shows how the RYB color 213, 135, 37 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

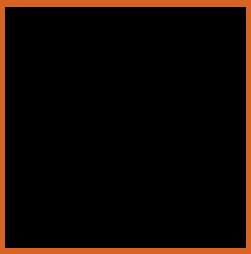
This preview shows how the RYB color 213, 135, 37 looks on a black background.

Color Contrast Check

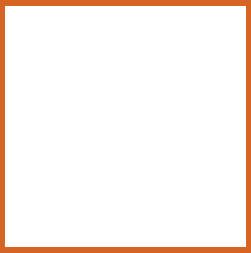
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 213, 135, 37 Background



This preview shows how black text looks on a background with the RYB color 213, 135, 37.



This preview shows how white text looks on a background with the RYB color 213, 135, 37.

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
213, 135, 37

Protanopia
64, 149, 46

Deuteranopia
84, 168, 26

Tritanopia
216, 94, 100

Trichromacy

Original Color
213, 135, 37

Protanomaly
125, 172, 43

Deuteranomaly
149, 184, 30

Tritanomaly
215, 99, 77

Monochromacy

Original Color
213, 135, 37

Achromatopsia
127, 127, 127

Achromatomaly
158, 130, 94

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 135, 37 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(213, 100, 37) looks like.

```
.text, #text, p{
    color:rgb(213, 100, 37)
}
```

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(213, 100, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 100, 37) }
```

Border

The CSS property to change the border of an element to RYB 213, 135, 37 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(213, 100, 37) }
```

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

```
.border{ border-color:rgb(213, 100, 37) }
```

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

Here you see how a box with a 4 pixel rgb(213, 100, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 100, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 100, 37); box-shadow:4px 4px 4px 4px rgb(213, 100, 37) }
```

Background

The CSS property to change the background color of an element to RYB 213, 135, 37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(213, 100, 37) }
```

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

```
.background{ background-color:rgb(213,
100, 37) }
```

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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