

Converting Colors

RGB(36, 18, 223)

Have a look what the booklet for
RGB(36, 18, 223) contains.

RGB(36, 18, 223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(36, 18, 223)

Conversions

Conversions Part 1

Format	Color
Hex	2412DF
RGB	36, 18, 223
RGB Percent	14%, 7%, 87%
CMY	0.8588, 0.9294, 0.1255
CMYK	0.84, 0.92, 0.00, 0.13
HSL	245°, 85%, 47%
HSV	245°, 92%, 87%
XYZ	14.2631, 6.1354, 70.2445
YIQ	46.7520, -55.0770, 67.5710

Conversions

Conversions Part 2

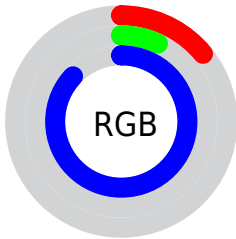
Format	Color
R _Y B	36, 18, 223
Decimal	2364127
CIE Lab	29.75, 68.50, -93.93
CIE LCh	30, 116.255, 306.100
Yxy	6.1354, 0.1574, 0.0677
Android (android.graphics.Color)	4280554207 (0xFF2412DF)
YUV	46.7520, 86.8903, -9.4295
Hunter-Lab	24.7697, 59.4386, -150.8019

Details

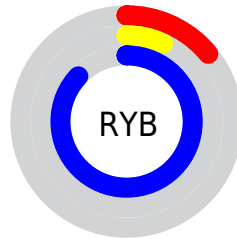
The RGB color **36, 18, 223** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **205, 223, 18**, and the grayscale version is **46, 46, 46**.

A 20% lighter version of the original color is **120, 75, 255**, and **0, 0, 166** is the 20% darker color. If you saturate the color by 10%, you get **20, 0, 223**, and if you desaturate by 10%, it is **56, 40, 223**.

Distribution



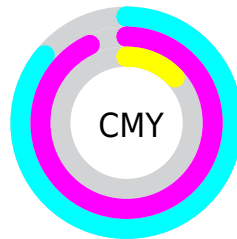
- Red (14%)
- Green (7%)
- Blue (87%)



- Red (14%)
- Yellow (7%)
- Blue (87%)



- Cyan (84%)
- Magenta (92%)
- Yellow (0%)
- Black (13%)






















- Cyan (86%)
- Magenta (93%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 36, 18, 223 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 RGB color 36, 18, 223 by changing the saturation by 10% instead.

 36, 18, 223	 36, 18, 223
 255, 255, 255	 0, 0, 194
 120, 75, 255	 0, 0, 166
 154, 102, 255	 0, 0, 139
 186, 129, 255	 0, 2, 112
 218, 156, 255	 0, 12, 86
 250, 184, 255	 0, 6, 62
 255, 212, 255	 0, 3, 39
 255, 241, 255	 0, 1, 17
	 0, 0, 0

■ 36, 18, 223

■ 36, 18, 223

■ 20, 0, 223

■ 56, 40, 223

■ 77, 63, 223

■ 97, 85, 223

■ 117, 107, 223

■ 138, 130, 223

■ 158, 152, 223

■ 178, 174, 223

■ 199, 196, 223

■ 219, 219, 223

Harmonies

Analogous

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



0, 84, 255



36, 18, 223



180, 0, 146

Triad

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



36, 18, 223



141, 21, 0



0, 96, 88

Complementary

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



36, 18, 223



205, 223, 18

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, 93, 0



36, 18, 223



70, 74, 0

Square

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



36, 18, 223



190, 0, 0



0, 89, 0



0, 99, 179

Rectangle

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



36, 18, 223



206, 0, 87



0, 89, 0



0, 95, 56

Sweetspot

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



36, 18, 223



190, 184, 255



18, 206, 223



88, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



36, 18, 223



22, 0, 255



138, 18, 223



102, 101, 112



15, 0, 176



4, 0, 48

Inverse Universe

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



223, 18, 205



255, 0, 233



103, 223, 18



112, 101, 111



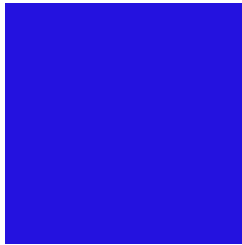
176, 0, 161



48, 0, 44

Previews

White Background



This preview shows how the RGB color 36, 18, 223 looks on a white background.

Color Contrast Check

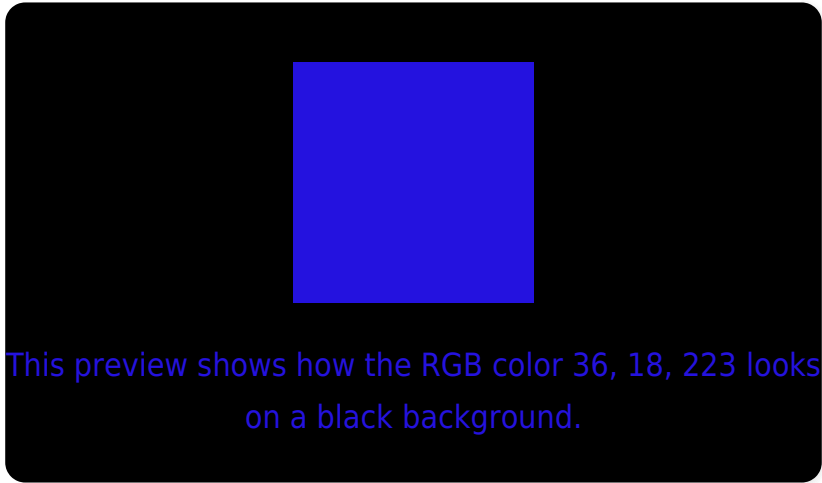
Large Text (above 18pt) WCAG AA ✓ Pass

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

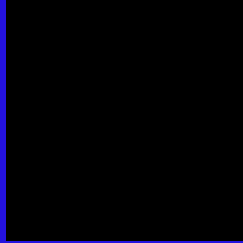
Any Text WCAG AA × Fail

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](#).

RGB 36, 18, 223 Background



This preview shows how black text looks on a background with the RGB color 36, 18, 223.



This preview shows how white text looks on a background with the RGB color 36, 18, 223.

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


36, 18, 223

Protanopia

0, 68, 142

Deuteranopia

0, 73, 121



Tritanopia
0, 78, 82

Trichromacy



Original Color

36, 18, 223

Protanomaly

13, 50, 171

Deuteranomaly

13, 53, 158

Tritanomaly

13, 56, 133

Monochromacy



Original Color

36, 18, 223

Achromatopsia

47, 47, 47

Achromatomaly

43, 36, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 36, 18, 223 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(36, 18, 223)` looks like.

```
.text, #text, p{  
    color:rgb(36, 18, 223)  
}
```

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(36, 18, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 18, 223) }
```

Border

The CSS property to change the border of an element to RGB 36, 18, 223 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(36, 18, 223) }
```

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

```
.border{ border-color:rgb(36, 18, 223) }
```

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

Here you see how a box with a 4 pixel rgb(36, 18, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 18, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 18, 223);  
box-shadow:4px 4px 4px 4px rgb(36, 18,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 36, 18, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 18, 223) }
```

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

```
.background{ background-color: rgb(36, 18,  
223) }
```

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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