

Converting Colors

RGB(42, 18, 176)

Have a look what the booklet for
RGB(42, 18, 176) contains.

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Color

RGB(42, 18, 176)

Conversions

Conversions Part 1

Format	Color
Hex	2A12B0
RGB	42, 18, 176
RGB Percent	16%, 7%, 69%
CMY	0.8353, 0.9294, 0.3098
CMYK	0.76, 0.90, 0.00, 0.31
HSL	249°, 81%, 38%
HSV	249°, 90%, 69%
XYZ	9.0076, 4.0594, 41.3831
YIQ	43.1880, -36.4140, 54.2260

Conversions

Conversions Part 2

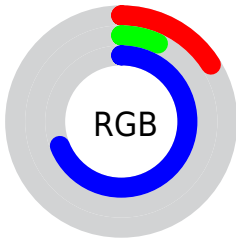
Format	Color
R_{YB}	42, 18, 176
Decimal	2757296
CIE _{Lab}	23.87, 56.12, -76.14
CIE _{LCh}	24, 94.584, 306.394
Yxy	4.0594, 0.1654, 0.0746
Android (android.graphics.Color)	4280947376 (0xFF2A12B0)
YUV	43.1880, 65.4763, -1.0419
Hunter-Lab	20.1481, 44.5432, -107.6750

Details

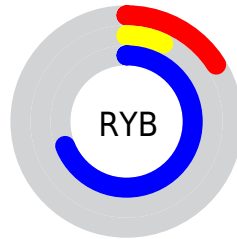
The RGB color **42, 18, 176** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **152, 176, 18**, and the grayscale version is **43, 43, 43**.

A 20% lighter version of the original color is **112, 70, 233**, and **0, 0, 122** is the 20% darker color. If you saturate the color by 10%, you get **27, 0, 176**, and if you desaturate by 10%, it is **57, 36, 176**.

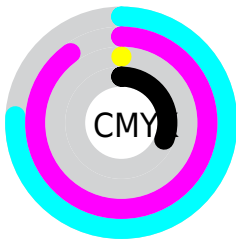
Distribution



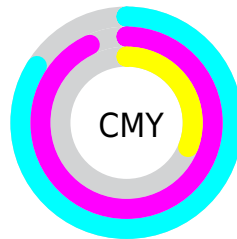
- Red (16%)
- Green (7%)
- Blue (69%)



- Red (16%)
- Yellow (7%)
- Blue (69%)



- Cyan (76%)
- Magenta (90%)
- Yellow (0%)
- Black (31%)



- Cyan (84%)
- Magenta (93%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 42, 18, 176 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 42, 18, 176 by changing the saturation by 10% instead.



42, 18, 176



42, 18, 176

255, 255, 255



0, 0, 148



112, 70, 233



0, 0, 122



142, 96, 255



0, 0, 96



173, 122, 255



0, 8, 71



203, 149, 255



0, 4, 48



233, 176, 255



0, 1, 26



255, 204, 255



0, 0, 0



255, 233, 255



42, 18, 176



42, 18, 176

■ 27, 0, 176

■ 57, 36, 176

■ 27, 0, 176

■ 72, 53, 176

■ 87, 71, 176

■ 102, 88, 176

■ 117, 106, 176

■ 132, 124, 176

■ 146, 141, 176

■ 161, 159, 176

■ 176, 176, 176

Harmonies

Analogous

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



0, 67, 206



42, 18, 176



145, 0, 116

Triad

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



42, 18, 176



113, 22, 0



0, 78, 71

Complementary

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



42, 18, 176



152, 176, 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, 76, 0



42, 18, 176



57, 60, 0

Square

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



42, 18, 176



152, 0, 0



0, 72, 0



0, 80, 142

Rectangle

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



42, 18, 176



165, 0, 69



0, 72, 0



0, 78, 46

Sweetspot

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



42, 18, 176



177, 168, 230



18, 152, 176



84, 78, 115



242, 242, 242



115, 115, 115

Same Dimension

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



42, 18, 176



35, 0, 230



121, 18, 176



82, 80, 89



23, 0, 153



4, 0, 26

Inverse Universe

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



176, 18, 152



230, 0, 195



73, 176, 18



89, 80, 88



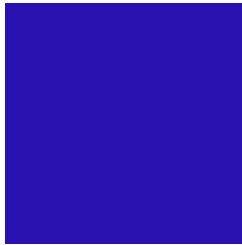
153, 0, 130



26, 0, 22

Previews

White Background



This preview shows how the RGB color 42, 18, 176 looks on a white background.

Color Contrast Check

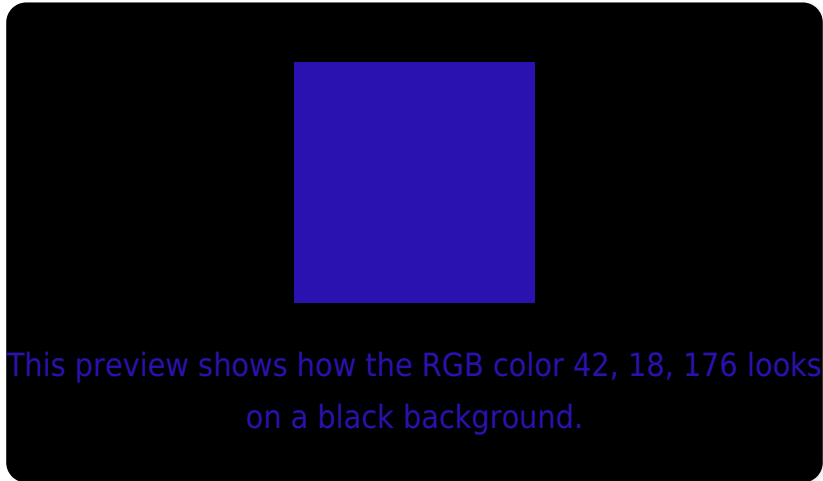
Large Text (above 18pt) WCAG AA ✓ Pass

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

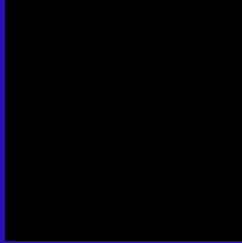
Any Text WCAG AA × Fail

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 42, 18, 176 Background



This preview shows how black text looks on a background with the RGB color 42, 18, 176.



This preview shows how white text looks on a background with the RGB color 42, 18, 176.

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


42, 18, 176

Protanopia

0, 56, 117

Deuteranopia

0, 60, 99



Tritanopia

0, 64, 68

Trichromacy



Original Color

42, 18, 176

Protanomaly

15, 42, 138

Deuteranomaly

15, 45, 127

Tritanomaly

15, 47, 107

Monochromacy



Original Color

42, 18, 176

Achromatopsia

43, 43, 43

Achromatomaly

43, 34, 91

CSS Examples

Text

The CSS property to change the color of the text to RGB 42, 18, 176 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(42, 18, 176)` looks like.

```
.text, #text, p{  
    color:rgb(42, 18, 176)  
}
```

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(42, 18, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 18, 176) }
```

Border

The CSS property to change the border of an element to RGB 42, 18, 176 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(42, 18, 176) }
```

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

```
.border{ border-color:rgb(42, 18, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 18, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 18, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 18, 176);  
box-shadow:4px 4px 4px 4px rgb(42, 18,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 42, 18, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 18, 176) }
```

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

```
.background{ background-color: rgb(42, 18,  
176) }
```

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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