

Converting Colors

RGB(42, 29, 208)

Have a look what the booklet for
RGB(42, 29, 208) contains.

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Color

RGB(42, 29, 208)

Conversions

Conversions Part 1

Format	Color
Hex	2A1DD0
RGB	42, 29, 208
RGB Percent	16%, 11%, 82%
CMY	0.8353, 0.8863, 0.1843
CMYK	0.80, 0.86, 0.00, 0.18
HSL	244°, 76%, 46%
HSV	244°, 86%, 82%
XYZ	12.7794, 5.9250, 60.1446
YIQ	53.2930, -49.7110, 58.4250

Conversions

Conversions Part 2

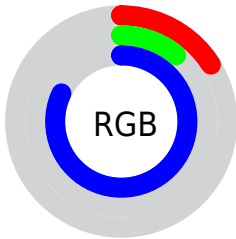
Format	Color
R _Y B	42, 29, 208
Decimal	2760144
CIE Lab	29.22, 61.22, -86.13
CIE LCh	29, 105.674, 305.407
Yxy	5.9250, 0.1621, 0.0751
Android (android.graphics.Color)	4280950224 (0xFF2A1DD0)
YUV	53.2930, 76.2706, -9.9040
Hunter-Lab	24.3414, 51.1161, -129.4593

Details

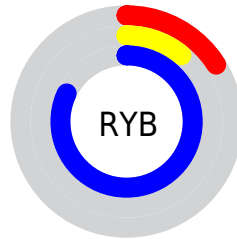
The RGB color **42, 29, 208** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **195, 208, 29**, and the grayscale version is **53, 53, 53**.

A 20% lighter version of the original color is **119, 81, 255**, and **0, 0, 152** is the 20% darker color. If you saturate the color by 10%, you get **23, 8, 208**, and if you desaturate by 10%, it is **61, 50, 208**.

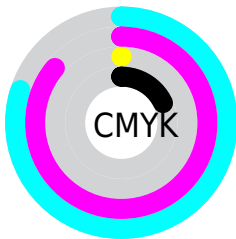
Distribution



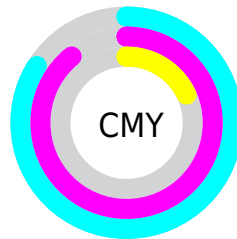
- Red (16%)
- Green (11%)
- Blue (82%)



- Red (16%)
- Yellow (11%)
- Blue (82%)



- Cyan (80%)
- Magenta (86%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (89%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 42, 29, 208 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, 29, 208 by changing the saturation by 10% instead.



42, 29, 208



42, 29, 208

255, 255, 255



0, 0, 180



119, 81, 255



0, 0, 152



151, 107, 255



0, 0, 125



183, 133, 255



0, 5, 99



214, 160, 255



0, 9, 74



245, 188, 255



0, 4, 50



255, 216, 255



0, 2, 28



255, 245, 255



0, 0, 0



42, 29, 208



42, 29, 208

■ 23, 8, 208

■ 61, 50, 208

■ 15, 0, 208

■ 81, 71, 208

■ 100, 91, 208

■ 119, 112, 208

■ 138, 133, 208

■ 158, 154, 208

■ 177, 175, 208

■ 196, 195, 208

■ 216, 216, 208

Harmonies

Analogous

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



0, 81, 241



42, 29, 208



168, 0, 139

Triad

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



42, 29, 208



136, 27, 0



0, 93, 83

Complementary

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



42, 29, 208



195, 208, 29

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, 0



42, 29, 208



72, 72, 0

Square

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



42, 29, 208



180, 0, 0



0, 86, 0



0, 96, 165

Rectangle

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



42, 29, 208



193, 0, 86



0, 86, 0



0, 92, 54

Sweetspot

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



42, 29, 208



194, 189, 255



29, 196, 208



91, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



42, 29, 208



19, 0, 255



130, 29, 208



95, 94, 105



12, 0, 168



3, 0, 41

Inverse Universe

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



208, 29, 195



255, 0, 236



107, 208, 29



105, 94, 104



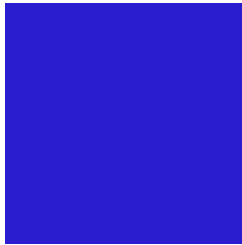
168, 0, 156



41, 0, 38

Previews

White Background



This preview shows how the RGB color 42, 29, 208 looks on a white background.

Color Contrast Check

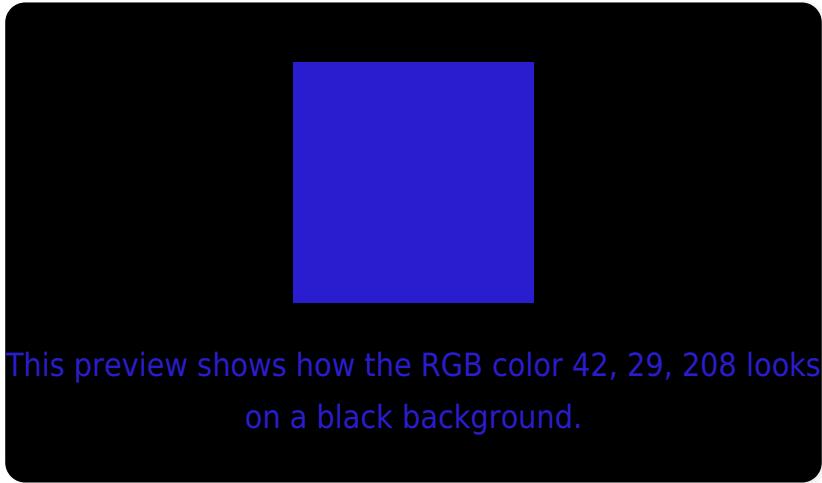
Large Text (above 18pt) WCAG AA ✓ Pass

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

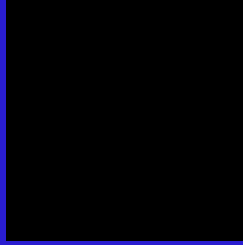
Any Text WCAG AA × Fail

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, 29, 208 Background



This preview shows how black text looks on a background with the RGB color 42, 29, 208.



This preview shows how white text looks on a background with the RGB color 42, 29, 208.

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, 29, 208

Protanopia

0, 67, 140

Deuteranopia

0, 71, 118



Tritanopia
0, 77, 80

Trichromacy



Original Color

42, 29, 208

Protanomaly

15, 53, 165

Deuteranomaly

15, 56, 151

Tritanomaly

15, 60, 127

Monochromacy



Original Color

42, 29, 208

Achromatopsia

53, 53, 53

Achromatomaly

49, 44, 109

CSS Examples

Text

The CSS property to change the color of the text to RGB 42, 29, 208 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, 29, 208)` looks like.

```
.text, #text, p{  
    color:rgb(42, 29, 208)  
}
```

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, 29, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 29, 208) }
```

Border

The CSS property to change the border of an element to RGB 42, 29, 208 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, 29, 208) }
```

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

```
.border{ border-color:rgb(42, 29, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 29, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 29, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 29, 208);  
box-shadow:4px 4px 4px 4px rgb(42, 29,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 42, 29, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 29, 208) }
```

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

```
.background{ background-color: rgb(42, 29,  
208) }
```

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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