

Converting Colors

RGB(42, 135, 218)

Have a look what the booklet for
RGB(42, 135, 218) contains.

RGB(42, 135, 218)	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(42, 135, 218)

Conversions

Conversions Part 1

Format	Color
Hex	2A87DA
RGB	42, 135, 218
RGB Percent	16%, 53%, 85%
CMY	0.8353, 0.4706, 0.1451
CMYK	0.81, 0.38, 0.00, 0.15
HSL	208°, 70%, 51%
HSV	208°, 81%, 85%
XYZ	22.2737, 22.8821, 69.5724
YIQ	116.6550, -82.0710, 6.0970

Conversions

Conversions Part 2

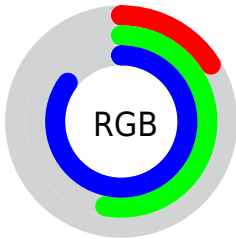
Format	Color
R _Y B	42, 103, 218
Decimal	2787290
CIE Lab	54.95, 2.44, -49.93
CIE LCh	55, 49.993, 272.799
Yxy	22.8821, 0.1941, 0.1994
Android (android.graphics.Color)	4280977370 (0xFF2A87DA)
YUV	116.6550, 49.9631, -65.4724
Hunter-Lab	47.8353, -0.5962, -52.7476

Details

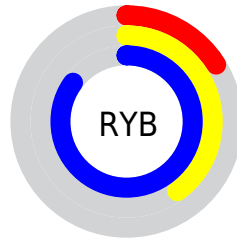
The RGB color **42, 135, 218** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **218, 125, 42**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **115, 188, 255**, and **0, 86, 162** is the 20% darker color. If you saturate the color by 10%, you get **20, 125, 218**, and if you desaturate by 10%, it is **64, 145, 218**.

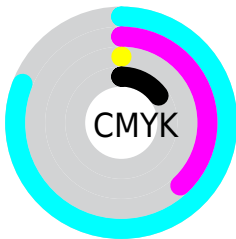
Distribution



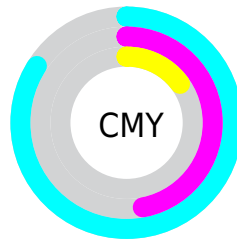
- Red (16%)
- Green (53%)
- Blue (85%)



- Red (16%)
- Yellow (40%)
- Blue (85%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)




















- Cyan (84%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 42, 135, 218 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, 135, 218 by changing the saturation by 10% instead.

 42, 135, 218	 42, 135, 218
 255, 255, 255	 0, 110, 190
 115, 188, 255	 0, 86, 162
 146, 215, 255	 0, 63, 136
 177, 244, 255	 0, 42, 110
 207, 255, 255	 0, 22, 85
 238, 255, 255	 0, 6, 61
	 0, 3, 38
	 0, 1, 16
	 0, 0, 0

■ 42, 135, 218

■ 42, 135, 218

■ 20, 125, 218

■ 64, 145, 218

■ 0, 115, 218

■ 86, 156, 218

■ 107, 166, 218

■ 129, 176, 218

■ 151, 186, 218

■ 173, 197, 218

■ 195, 207, 218

■ 216, 217, 218

■ 238, 228, 218

Harmonies

Analogous

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



0, 146, 208



42, 135, 218



138, 118, 205

Triad

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



42, 135, 218



207, 99, 87



40, 150, 90

Complementary

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



42, 135, 218



218, 125, 42

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.



107, 143, 54



42, 135, 218



186, 115, 54

Square

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



42, 135, 218



209, 92, 129



151, 131, 38



0, 153, 134

Rectangle

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



42, 135, 218



174, 106, 184



151, 131, 38



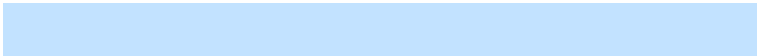
69, 148, 77

Sweetspot

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



42, 135, 218



194, 226, 255



42, 218, 124



91, 110, 128



0, 0, 0



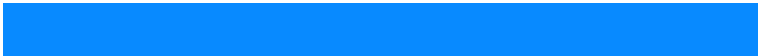
128, 128, 128

Same Dimension

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



42, 135, 218



8, 138, 255



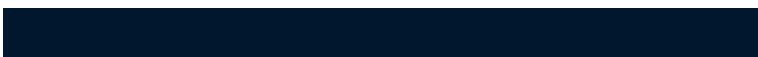
42, 48, 218



99, 104, 110



0, 92, 173



0, 24, 46

Inverse Universe

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



218, 42, 135



255, 8, 138



218, 212, 42



110, 99, 104



173, 0, 92



46, 0, 24

Previews

White Background



This preview shows how the RGB color 42, 135, 218 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 RGB color 42, 135, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

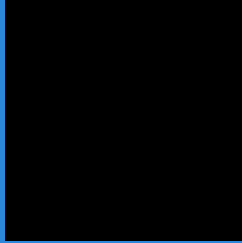
Any Text WCAG AA ✓ Pass

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](#).

RGB 42, 135, 218 Background



This preview shows how black text looks on a background with the RGB color 42, 135, 218.

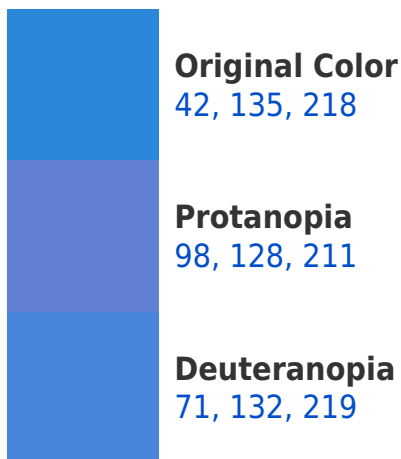


This preview shows how white text looks on a background with the RGB color 42, 135, 218.

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](#).

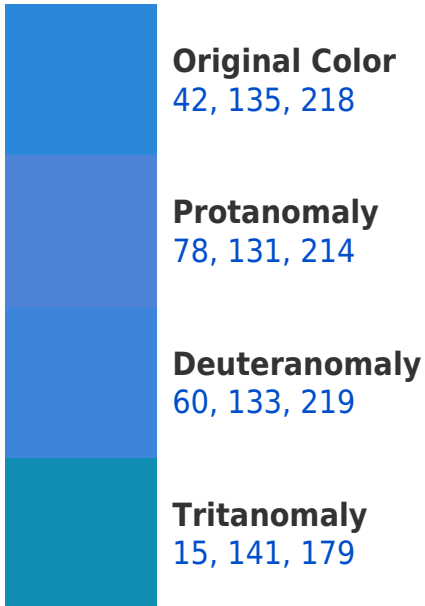
Dichromacy



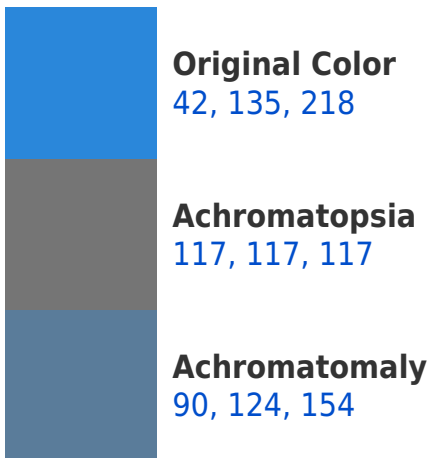


Tritanopia
0, 145, 156

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 42, 135, 218 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, 135, 218)` looks like.

```
.text, #text, p{  
    color:rgb(42, 135, 218)  
}
```

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, 135, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 135, 218) }
```

Border

The CSS property to change the border of an element to RGB 42, 135, 218 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, 135, 218) }
```

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

```
.border{ border-color:rgb(42, 135, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 135, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 135, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 135, 218);  
box-shadow:4px 4px 4px 4px rgb(42, 135,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 42, 135, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 135, 218) }
```

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

```
.background{ background-color: rgb(42, 135,  
218) }
```

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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