

Converting Colors

RGB(45, 144, 227)

Have a look what the booklet for
RGB(45, 144, 227) contains.

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Color

RGB(45, 144, 227)

Conversions

Conversions Part 1

Format	Color
Hex	2D90E3
RGB	45, 144, 227
RGB Percent	18%, 56%, 89%
CMY	0.8235, 0.4353, 0.1098
CMYK	0.80, 0.37, 0.00, 0.11
HSL	207°, 76%, 53%
HSV	207°, 80%, 89%
XYZ	24.9206, 26.0505, 76.3878
YIQ	123.8610, -85.6470, 4.8250

Conversions

Conversions Part 2

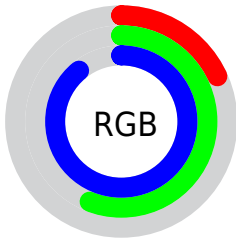
Format	Color
R _Y B	45, 109, 227
Decimal	2986211
CIE Lab	58.08, 0.69, -49.98
CIE LCh	58, 49.985, 270.789
Yxy	26.0505, 0.1957, 0.2045
Android (android.graphics.Color)	4281176291 (0xFF2D90E3)
YUV	123.8610, 50.8475, -69.1611
Hunter-Lab	51.0396, -2.1651, -53.0079

Details

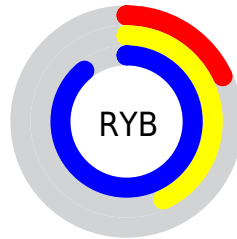
The RGB color **45, 144, 227** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **227, 128, 45**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **119, 197, 255**, and **0, 94, 171** is the 20% darker color. If you saturate the color by 10%, you get **22, 134, 227**, and if you desaturate by 10%, it is **68, 154, 227**.

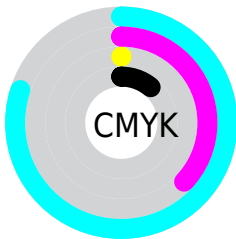
Distribution



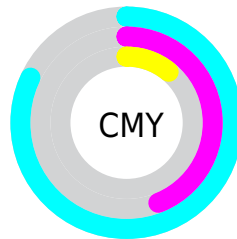
- Red (18%)
- Green (56%)
- Blue (89%)



- Red (18%)
- Yellow (43%)
- Blue (89%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)




















- Cyan (82%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 144, 227 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 45, 144, 227 by changing the saturation by 10% instead.

 45, 144, 227	 45, 144, 227
 255, 255, 255	 0, 119, 199
 119, 197, 255	 0, 94, 171
 150, 225, 255	 0, 71, 144
 181, 254, 255	 0, 49, 118
 212, 255, 255	 0, 30, 93
 242, 255, 255	 0, 8, 69
	 0, 3, 45
	 0, 1, 24
	 0, 0, 0

■ 45, 144, 227

■ 45, 144, 227

■ 22, 134, 227

■ 68, 154, 227

■ 0, 123, 227

■ 90, 165, 227

■ 113, 175, 227

■ 136, 185, 227

■ 159, 196, 227

■ 181, 206, 227

■ 204, 216, 227

■ 227, 227, 227

■ 249, 237, 227

Harmonies

Analogous

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



0, 155, 215



45, 144, 227



143, 128, 215

Triad

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



45, 144, 227



218, 106, 97



57, 158, 95

Complementary

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



45, 144, 227



227, 128, 45

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.



118, 150, 60



45, 144, 227



197, 121, 63

Square

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



45, 144, 227



218, 101, 140



163, 138, 47



0, 161, 139

Rectangle

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



45, 144, 227



180, 116, 195



163, 138, 47



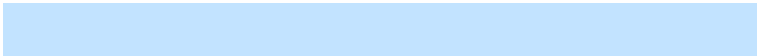
82, 156, 82

Sweetspot

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



45, 144, 227



194, 227, 255



45, 227, 127



91, 111, 128



0, 0, 0



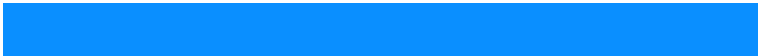
128, 128, 128

Same Dimension

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



45, 144, 227



10, 143, 255



45, 54, 227



103, 110, 115



0, 97, 179



0, 28, 51

Inverse Universe

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



227, 45, 144



255, 10, 143



227, 218, 45



115, 103, 110



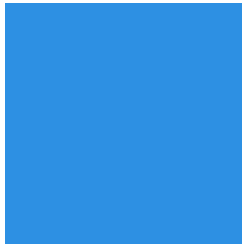
179, 0, 97



51, 0, 28

Previews

White Background



This preview shows how the RGB color 45, 144, 227 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 45, 144, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

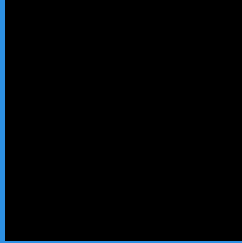
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

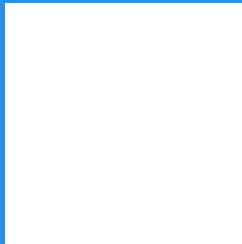
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 45, 144, 227 Background



This preview shows how black text looks on a background with the RGB color 45, 144, 227.

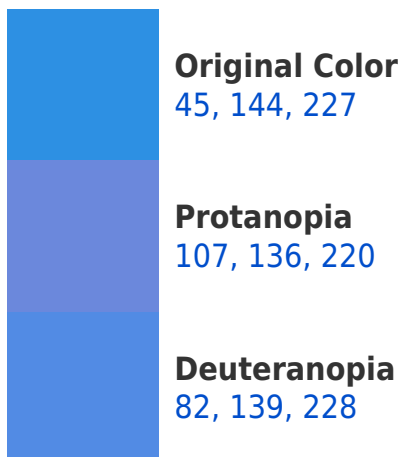


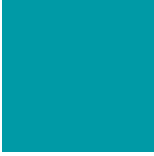
This preview shows how white text looks on a background with the RGB color 45, 144, 227.

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, 154, 166

Trichromacy



Original Color
45, 144, 227

Protanomaly
84, 139, 223

Deuteranomaly
69, 141, 228

Tritanomaly
16, 150, 188

Monochromacy



Original Color
45, 144, 227

Achromatopsia
124, 124, 124

Achromatomaly
95, 131, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 144, 227 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(45, 144, 227)` looks like.

```
.text, #text, p{  
    color:rgb(45, 144, 227)  
}
```

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(45, 144, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 144, 227) }
```

Border

The CSS property to change the border of an element to RGB 45, 144, 227 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(45, 144, 227) }
```

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

```
.border{ border-color:rgb(45, 144, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 144, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 144, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 144, 227);  
box-shadow:4px 4px 4px 4px rgb(45, 144,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 45, 144, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 144, 227) }
```

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

```
.background{ background-color: rgb(45, 144,  
227) }
```

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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