

Converting Colors

RGB(36, 106, 217)

Have a look what the booklet for
RGB(36, 106, 217) contains.

RGB(36, 106, 217)	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, 106, 217)

Conversions

Conversions Part 1

Format	Color
Hex	246AD9
RGB	36, 106, 217
RGB Percent	14%, 42%, 85%
CMY	0.8588, 0.5843, 0.1490
CMYK	0.83, 0.51, 0.00, 0.15
HSL	217°, 72%, 50%
HSV	217°, 83%, 85%
XYZ	18.4060, 15.6929, 67.7046
YIQ	97.7240, -77.3510, 19.6810

Conversions

Conversions Part 2

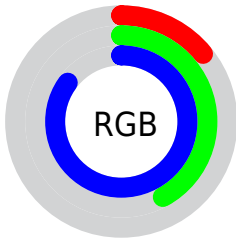
Format	Color
R_{YB}	36, 86, 217
Decimal	2386649
CIE _{Lab}	46.57, 19.58, -62.83
CIE _{LCh}	47, 65.809, 287.310
Yxy	15.6929, 0.1808, 0.1541
Android (android.graphics.Color)	4280576729 (0xFF246AD9)
YUV	97.7240, 58.8031, -54.1319
Hunter-Lab	39.6143, 13.6115, -73.6023

Details

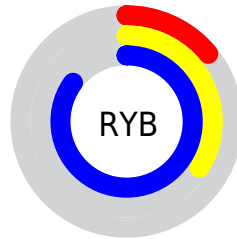
The RGB color **36, 106, 217** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **217, 147, 36**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **113, 157, 255**, and **0, 60, 161** is the 20% darker color. If you saturate the color by 10%, you get **14, 93, 217**, and if you desaturate by 10%, it is **58, 119, 217**.

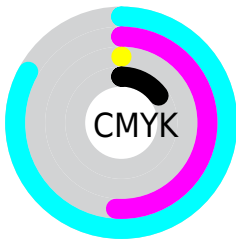
Distribution



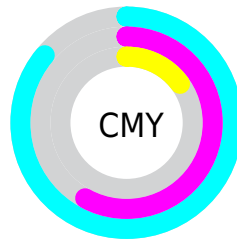
- Red (14%)
- Green (42%)
- Blue (85%)



- Red (14%)
- Yellow (34%)
- Blue (85%)



- Cyan (83%)
- Magenta (51%)
- Yellow (0%)
- Black (15%)




















- Cyan (86%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 36, 106, 217 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, 106, 217 by changing the saturation by 10% instead.

 36, 106, 217	 36, 106, 217
 255, 255, 255	 0, 82, 189
 113, 157, 255	 0, 60, 161
 144, 183, 255	 0, 40, 134
 175, 211, 255	 0, 22, 108
 206, 239, 255	 0, 7, 83
 236, 255, 255	 0, 6, 59
	 0, 2, 36
	 0, 0, 12
	 0, 0, 0

■ 36, 106, 217

■ 36, 106, 217

■ 14, 93, 217

■ 58, 119, 217

■ 0, 84, 217

■ 79, 133, 217

■ 101, 146, 217

■ 123, 159, 217

■ 145, 173, 217

■ 166, 186, 217

■ 188, 199, 217

■ 210, 212, 217

■ 231, 226, 217

Harmonies

Analogous

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



0, 124, 219



36, 106, 217



151, 79, 186

Triad

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



36, 106, 217



189, 73, 28



0, 133, 84

Complementary

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



36, 106, 217



217, 147, 36

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.



23, 128, 24



36, 106, 217



153, 99, 0

Square

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



36, 106, 217



206, 46, 81



104, 118, 0



0, 135, 142

Rectangle

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



36, 106, 217



185, 58, 154



104, 118, 0



0, 132, 65

Sweetspot

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



36, 106, 217



191, 216, 255



36, 217, 145



89, 104, 128



0, 0, 0



128, 128, 128

Same Dimension

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



36, 106, 217



0, 99, 255



54, 36, 217



99, 103, 110



0, 67, 173



0, 18, 46

Inverse Universe

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



217, 36, 106



255, 0, 99



199, 217, 36



110, 99, 103



173, 0, 67



46, 0, 18

Previews

White Background



This preview shows how the RGB color 36, 106, 217 looks on a white background.

Color Contrast Check

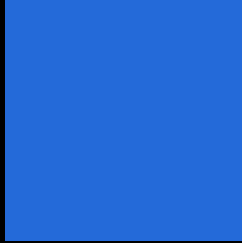
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 36, 106, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

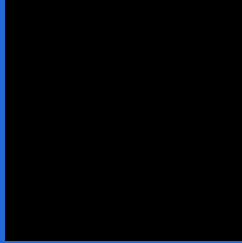
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

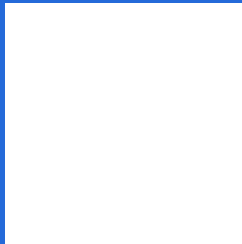
Any Text WCAG AAA × Fail

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

RGB 36, 106, 217 Background



This preview shows how black text looks on a background with the RGB color 36, 106, 217.

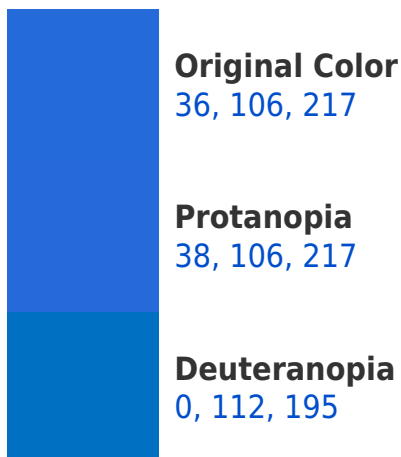


This preview shows how white text looks on a background with the RGB color 36, 106, 217.

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, 122, 130

Trichromacy



Original Color
36, 106, 217

Protanomaly
37, 106, 217

Deuteranomaly
13, 110, 203

Tritanomaly
13, 116, 162

Monochromacy



Original Color
36, 106, 217

Achromatopsia
98, 98, 98

Achromatomaly
75, 101, 141

CSS Examples

Text

The CSS property to change the color of the text to RGB 36, 106, 217 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, 106, 217)` looks like.

```
.text, #text, p{  
    color:rgb(36, 106, 217)  
}
```

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, 106, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 106, 217) }
```

Border

The CSS property to change the border of an element to RGB 36, 106, 217 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, 106, 217) }
```

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

```
.border{ border-color:rgb(36, 106, 217) }
```

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

Here you see how a box with a 4 pixel rgb(36, 106, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 106, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 106, 217);  
box-shadow:4px 4px 4px 4px rgb(36, 106,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 36, 106, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 106, 217) }
```

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

```
.background{ background-color: rgb(36, 106,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor