

# Converting Colors

Decimal(21691)

Have a look what the booklet for  
Decimal(21691) contains.

<b>Decimal(21691)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Decimal(21691)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0054BB
RGB	0, 84, 187
RGB Percent	0%, 33%, 73%
CMY	1.0000, 0.6706, 0.2667
CMYK	1.00, 0.55, 0.00, 0.27
HSL	213°, 100%, 37%
HSV	213°, 100%, 73%
XYZ	12.1400, 9.9285, 48.2903
YIQ	70.6260, -83.1270, 14.2250

# Conversions

## Conversions Part 2

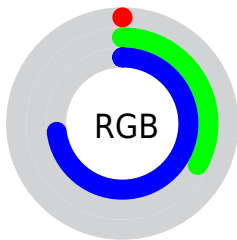
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 58, 187
Decimal	21691
CIELab	37.71, 20.28, -59.91
CIElCh	38, 63.250, 288.700
Yxy	9.9285, 0.1725, 0.1411
Android (android.graphics.Color)	4278211771 (0xFF0054BB)
YUV	70.6260, 57.3724, -61.9390
Hunter-Lab	31.5095, 13.6307, -68.8088

# Details

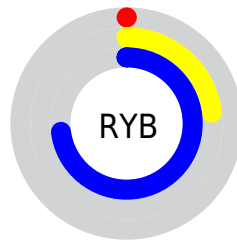
The Decimal color **21691** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **12281600**, and the grayscale version is **4605510**.

A 20% lighter version of the original color is **6260212**, and **10629** is the 20% darker color. If you saturate the color by 10%, you get **21691**, and if you desaturate by 10%, it is **1269435**.

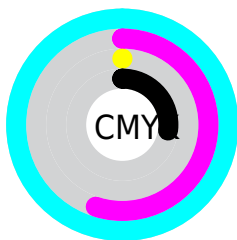
# Distribution



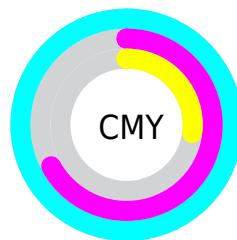
- Red (0%)
- Green (33%)
- Blue (73%)



- Red (0%)
- Yellow (23%)
- Blue (73%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)




















- Cyan (100%)
- Magenta (67%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 21691 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 Decimal color 21691 by changing the saturation by 10% instead.



 21691	 21691
 16777215	 15775
 6260212	 10629
 8298495	 5739
 10271231	 850
 12244479	 1338
 14283263	 547
 16252927	 10
	 0

 21691

■ 1269435

■ 2451899

■ 3699643

■ 4947387

■ 6195387

■ 7377595

■ 8625339

■ 9873083

■ 11055547

# Harmonies

## Analogous

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



26046



21691



8468637

# Triad

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



21691



10368517



27971

# Complementary

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



21691



12281600

# 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.



26884



21691



8212480

# Square

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



21691



11539004



5201920



28280

# Rectangle

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



21691



10428543



5201920



27697



# Sweetspot

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



21691



11193074



47975



5137018



16448250



8026746



# Same Dimension

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



21691



28146



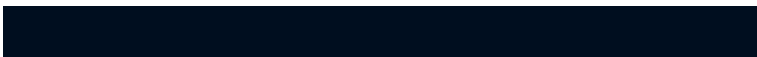
590011



5593438



18334



3615



# Inverse Universe

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



12255316



15859821



11713280



6182233



10354759



2031630



# Previews

## White Background



This preview shows how the Decimal color 21691 looks on a white background.

## Color Contrast Check

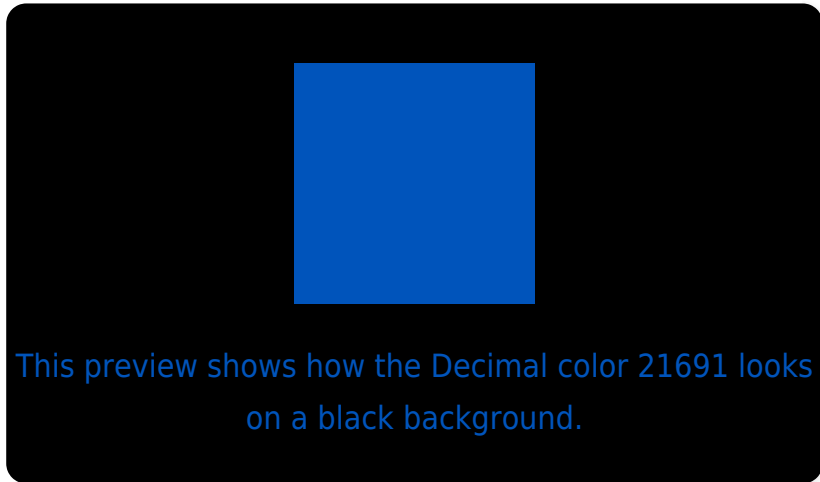
Large Text (above 18pt) WCAG AA ✓ Pass

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

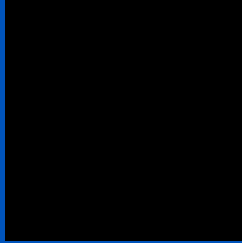
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 21691 Background



This preview shows how black text looks on a background with the Decimal color 21691.



This preview shows how white text looks on a background with the Decimal color 21691.

# 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**  
21691

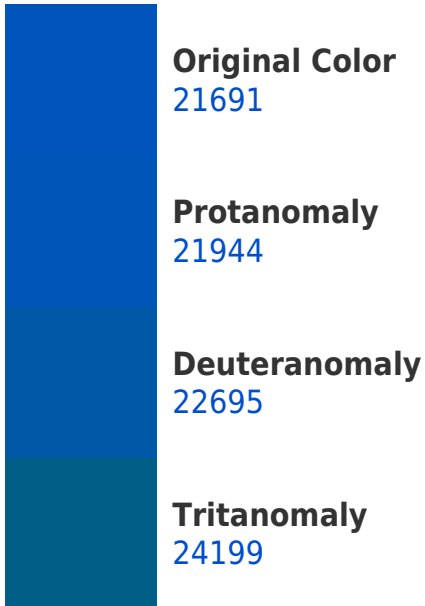
**Protanopia**  
21942

**Deuteranopia**  
23452



**Tritanopia**  
25449

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 21691 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 #0054BB looks like.

```
.text, #text, p{  
    color:#0054BB  
}
```

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 #0054BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0054BB
}
```

## Border

The CSS property to change the border of an element to Decimal 21691 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
#0054BB }
```

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

```
.border{ border-color:#0054BB }
```

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

Here you see how a box with a 4 pixel #0054BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0054BB; -webkit-box-shadow:4px 4px  
4px 4px #0054BB; box-shadow:4px 4px 4px  
4px #0054BB }
```

# Background

The CSS property to change the background color of an element to Decimal 21691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0054BB }
```

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

```
.background{ background-color:#0054BB }
```

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