

# Converting Colors

Decimal(12704)

Have a look what the booklet for  
Decimal(12704) contains.

<b>Decimal(12704)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

# Color

**Decimal(12704)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0031A0
RGB	0, 49, 160
RGB Percent	0%, 19%, 63%
CMY	1.0000, 0.8078, 0.3725
CMYK	1.00, 0.69, 0.00, 0.37
HSL	222°, 100%, 31%
HSV	222°, 100%, 63%
XYZ	7.4435, 4.7347, 33.7793
YIQ	47.0030, -64.8350, 24.1330

# Conversions

## Conversions Part 2

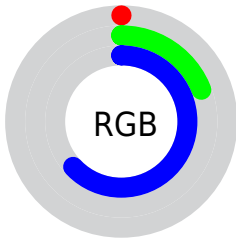
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 38, 160
Decimal	12704
CIELab	25.97, 33.03, -63.04
CIELCh	26, 71.170, 297.656
Yxy	4.7347, 0.1620, 0.1030
Android (android.graphics.Color)	4278202784 (0xFF0031A0)
YUV	47.0030, 55.7075, -41.2216
Hunter-Lab	21.7593, 22.9828, -76.8104

# Details

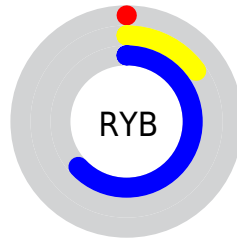
The Decimal color **12704** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **10514176**, and the grayscale version is **3092271**.

A 20% lighter version of the original color is **5857240**, and **2411** is the 20% darker color. If you saturate the color by 10%, you get **12704**, and if you desaturate by 10%, it is **1064096**.

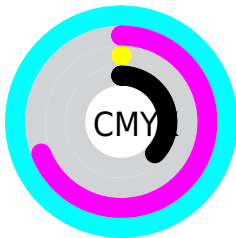
# Distribution



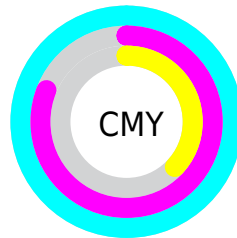
- Red (0%)
- Green (19%)
- Blue (63%)



- Red (0%)
- Yellow (15%)
- Blue (63%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (37%)



















- Cyan (100%)
- Magenta (81%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12704 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 12704 by changing the saturation by 10% instead.



 12704	 12704
 16777215	 7301
 5857240	 2411
 7829749	 82
 9802239	 1338
 11709695	 547
 13682687	 11
 15655935	 0

 12704

 1064096

■ 2115488

■ 3166880

■ 4218272

■ 5269920

■ 6321312

■ 7372704

■ 8424096

■ 9475488

# Harmonies

## Analogous

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



18605



12704



7733369

# Triad

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



12704



7805952



20536

# Complementary

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



12704



10514176

# 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.



19968



12704



5257984

# Square

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



12704



9437200



1329152



21103

# Rectangle

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



12704



9306198



1329152



20516



# Sweetspot

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



12704



9610961



41069



4410985



15263976



6908265



# Same Dimension

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



12704



16593



1900704



4672079



11407



1295



# Inverse Universe

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



10485809



13697088



8626176



5195594



9371692



983045



# Previews

## White Background



This preview shows how the Decimal color 12704 looks on a white background.

### Color Contrast Check

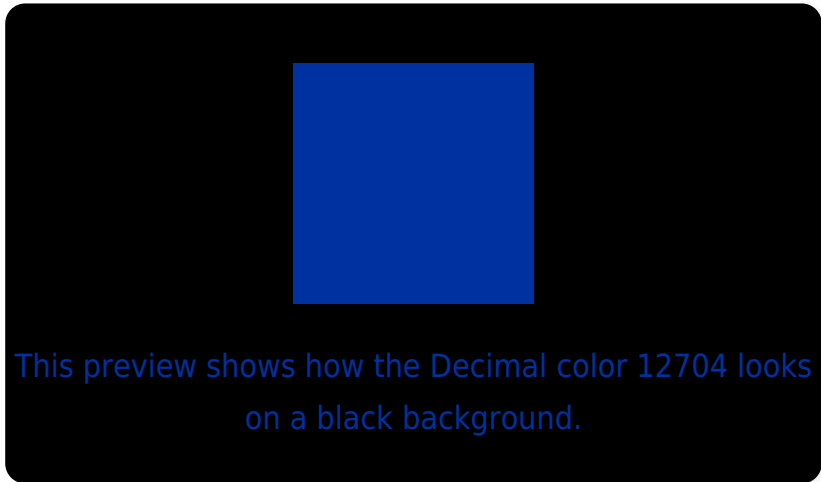
Large Text (above 18pt) WCAG AA ✓ Pass

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

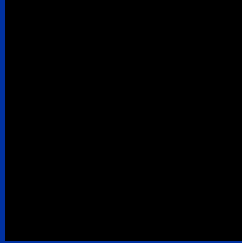
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 12704 Background



This preview shows how black text looks on a background with the Decimal color 12704.



This preview shows how white text looks on a background with the Decimal color 12704.

# 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



# Trichromacy



**Original Color**  
12704

**Deuteranomaly**  
15231

**Tritanomaly**  
15977

# Monochromacy



**Original Color**  
12704

**Achromatopsia**  
3092271

**Achromatomaly**  
1978456

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12704 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 #0031A0 looks like.

```
.text, #text, p{  
    color:#0031A0  
}
```

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 #0031A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0031A0
}
```

## Border

The CSS property to change the border of an element to Decimal 12704 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
#0031A0 }
```

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

```
.border{ border-color:#0031A0 }
```

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

Here you see how a box with a 4 pixel #0031A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0031A0; -webkit-box-shadow:4px 4px  
4px 4px #0031A0; box-shadow:4px 4px 4px  
4px #0031A0 }
```

# Background

The CSS property to change the background color of an element to Decimal 12704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0031A0 }
```

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

```
.background{ background-color:#0031A0 }
```

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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