

# Converting Colors

Hex(1F7691)

Have a look what the booklet for  
Hex(1F7691) contains.

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# Color

**Hex(1F7691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F7691
RGB	31, 118, 145
RGB Percent	12%, 46%, 57%
CMY	0.8784, 0.5373, 0.4314
CMYK	0.79, 0.19, 0.00, 0.43
HSL	194°, 65%, 35%
HSV	194°, 79%, 57%
XYZ	12.1543, 15.2925, 29.0992
YIQ	95.0650, -60.5190, -10.0470

# Conversions

## Conversions Part 2

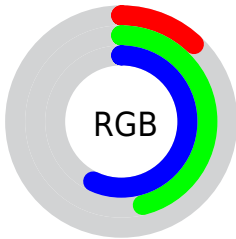
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 80, 145
Decimal	2061969
CIE <sub>Lab</sub>	46.03, -15.48, -21.87
CIE <sub>LCh</sub>	46, 26.796, 234.719
Yxy	15.2925, 0.2149, 0.2704
Android (android.graphics.Color)	4280252049 (0xFF1F7691)
YUV	95.0650, 24.6180, -56.1850
Hunter-Lab	39.1056, -12.9556, -16.7448

# Details

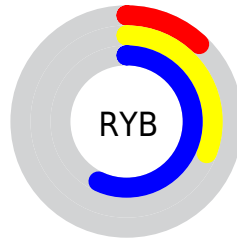
The Hex color **1F7691** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **913A1F**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **5FAAC7**, and **00465E** is the 20% darker color. If you saturate the color by 10%, you get **117391**, and if you desaturate by 10%, it is **2D7991**.

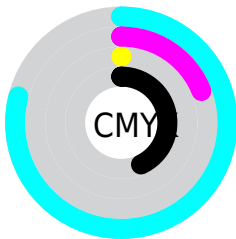
# Distribution



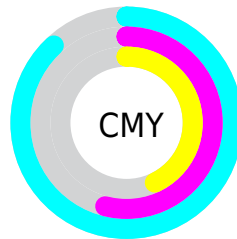
- Red (12%)
- Green (46%)
- Blue (57%)



- Red (12%)
- Yellow (31%)
- Blue (57%)



- Cyan (79%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (88%)
- Magenta (54%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1F7691 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 Hex color 1F7691 by changing the saturation by 10% instead.



 1F7691

 1F7691

FFFFFF

 005D77

 5FAAC7

 00465E

 7BC6E3

 002F47

 97E2FF

 001B30


 B4FEFF

 00011B


 D1FFFF

 000000

 EFFFFFF

 1F7691

 1F7691

 117391

 2D7991

■ 026F91

■ 3C7D91

■ 006F91

■ 4B8091

■ 598491

■ 688791

■ 768B91

■ 858E91

■ 939191

■ A29591

# Harmonies

## Analogous

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



13797F



1F7691



467099

# Triad

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



1F7691



955C72



697144

# Complementary

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



1F7691



913A1F

# 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.



7F6A40



1F7691



995D5B

# Square

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



1F7691



866187



906349



4F7652

# Rectangle

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



1F7691



5F6B98



906349



716F41



# Sweetspot

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



1F7691



8FB2BD



1F913A



43585E



DEDEDE



5E5E5E



# Same Dimension

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



1F7691



0B93BD



1F3D91



404647



006787



000608



# Inverse Universe

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



911F76



BD0B93



91731F



474046



870067



080006



# Previews

## White Background



This preview shows how the Hex color 1F7691 looks on a white background.

## Color Contrast Check

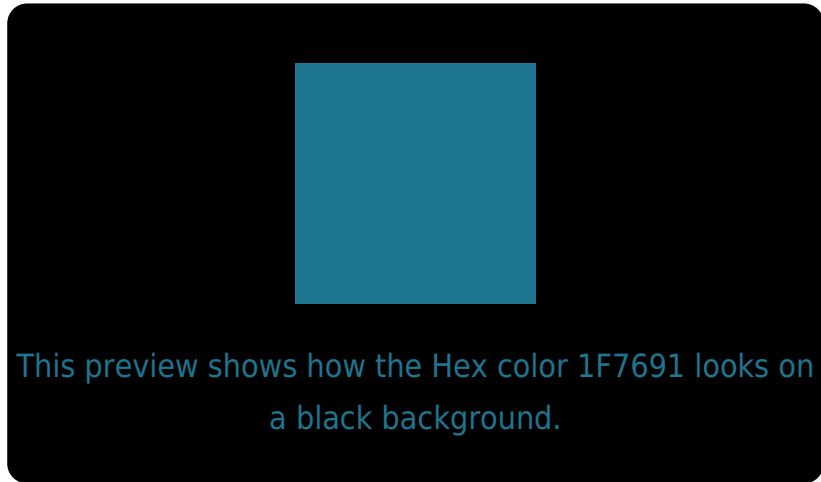
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

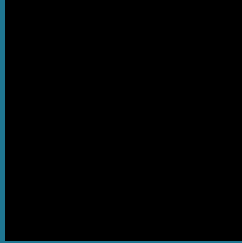
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1F7691 Background



This preview shows how black text looks on a background with the Hex color 1F7691.

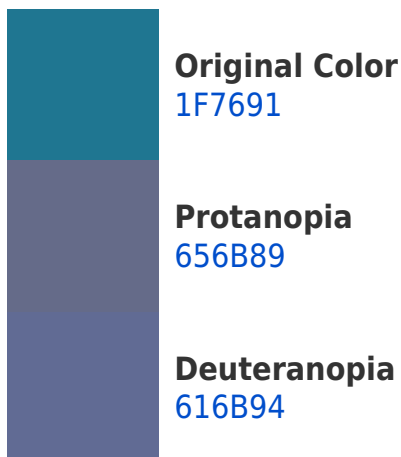


This preview shows how white text looks on a background with the Hex color 1F7691.

# Color Blindness Simulation

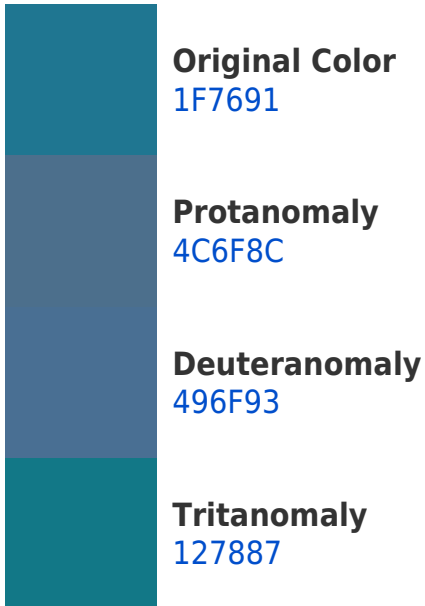
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1F7691 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 #1F7691 looks like.

```
.text, #text, p{  
    color:#1F7691  
}
```

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 #1F7691 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1F7691
}
```

## Border

The CSS property to change the border of an element to Hex 1F7691 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
#1F7691 }
```

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

```
.border{ border-color:#1F7691 }
```

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

Here you see how a box with a 4 pixel #1F7691 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1F7691; -webkit-box-shadow:4px 4px  
4px 4px #1F7691; box-shadow:4px 4px 4px  
4px #1F7691 }
```

# Background

The CSS property to change the background color of an element to Hex 1F7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1F7691 }
```

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

```
.background{ background-color:#1F7691 }
```

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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