

# Converting Colors

Hex(20677E)

Have a look what the booklet for  
Hex(20677E) contains.

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# Color

**Hex(20677E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	20677E
RGB	32, 103, 126
RGB Percent	13%, 40%, 49%
CMY	0.8745, 0.5961, 0.5059
CMYK	0.75, 0.18, 0.00, 0.51
HSL	195°, 59%, 31%
HSV	195°, 75%, 49%
XYZ	9.2118, 11.5139, 21.4756
YIQ	84.3930, -49.6990, -7.8990

# Conversions

## Conversions Part 2

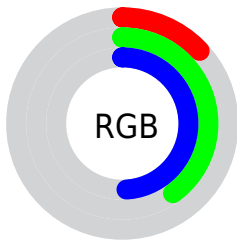
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	32, 72, 126
Decimal	2123646
CIE Lab	40.43, -13.57, -19.12
CIE LCh	40, 23.450, 234.628
Yxy	11.5139, 0.2183, 0.2728
Android (android.graphics.Color)	4280313726 (0xFF20677E)
YUV	84.3930, 20.5123, -45.9487
Hunter-Lab	33.9322, -10.9227, -13.7719

# Details

The Hex color **20677E** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7E3720**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **5B9AB3**, and **00384D** is the 20% darker color. If you saturate the color by 10%, you get **13647E**, and if you desaturate by 10%, it is **2D6A7E**.

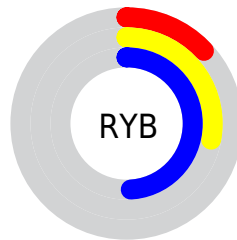
# Distribution



Red (13%)

Green (40%)

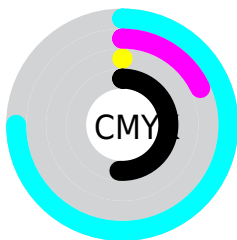
Blue (49%)



Red (13%)

Yellow (28%)

Blue (49%)

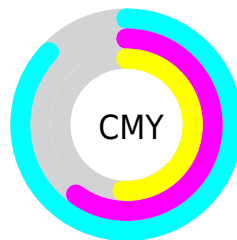


Cyan (75%)

Magenta (18%)

Yellow (0%)

Black (51%)



Cyan (87%)

Magenta (60%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20677E 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 20677E by changing the saturation by 10% instead.



■ 20677E

■ 20677E

FFFFFF

■ 004F65

■ 5B9AB3

■ 00384D

■ 76B5CE

■ 002236

■ 92D1EB

■ 000521

■ AEEDFF

■ 000006

■ CAFFFF

■ 000000

■ E7FFFF

■ 20677E

■ 20677E

■ 13647E

■ 2D6A7E

07617E

396D7E

005F7E

46707E

52737E

5F767E

6C797E

787D7E

85807E

91837E

# Harmonies

## Analogous

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



18696F



20677E



3F6285

# Triad

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



20677E



825164



5C633C

# Complementary

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



20677E



7E3720

# 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.



6F5D39



20677E



855250

# Square

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



20677E



745576



7E5641



466748

# Rectangle

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



20677E



535E84



7E5641



63613A



# Sweetspot

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



20677E



7F9AA3



207E36



3C4C52



D1D1D1



525252



# Same Dimension

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



20677E



107FA3



20397E



393E40



006080



000000



# Inverse Universe

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



7E2067



A3107F



7E6520



40393E



800060



000000



# Previews

## White Background



This preview shows how the Hex color 20677E looks on a white background.

### Color Contrast Check

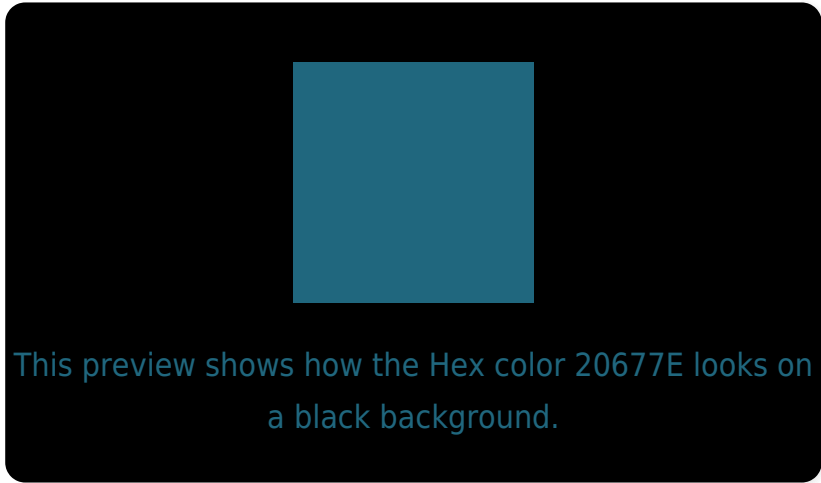
Large Text (above 18pt) WCAG AA ✓ Pass

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

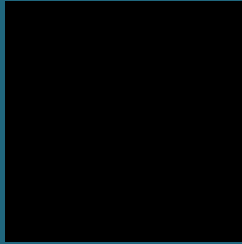
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

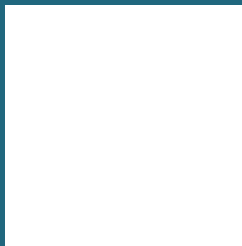
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 20677E Background



This preview shows how black text looks on a background with the Hex color 20677E.

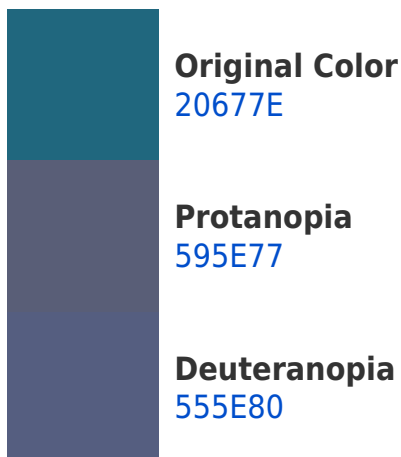


This preview shows how white text looks on a background with the Hex color 20677E.

# 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](#).

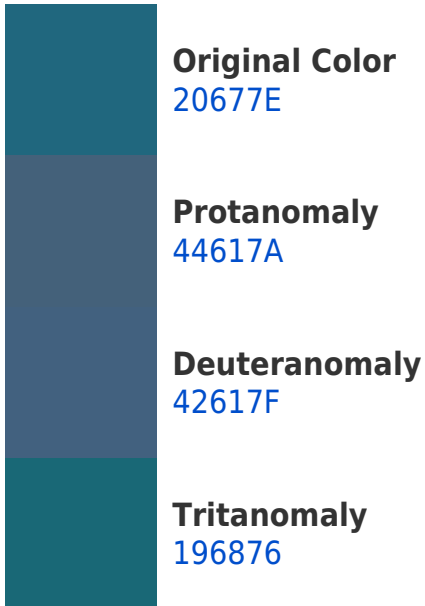
## Dichromacy





**Tritanopia**  
156972

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20677E 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 #20677E looks like.

```
.text, #text, p{  
    color:#20677E  
}
```

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 #20677E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20677E
}
```

## Border

The CSS property to change the border of an element to Hex 20677E 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
#20677E }
```

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

```
.border{ border-color:#20677E }
```

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

Here you see how a box with a 4 pixel #20677E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20677E; -webkit-box-shadow:4px 4px  
4px 4px #20677E; box-shadow:4px 4px 4px  
4px #20677E }
```

# Background

The CSS property to change the background color of an element to Hex 20677E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20677E }
```

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

```
.background{ background-color:#20677E }
```

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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