

# Converting Colors

XYZ(21.5570, 26.9474, 30.7174)

Have a look what the booklet for  
XYZ(21.5570, 26.9474, 30.7174)  
contains.

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# Color

**XYZ(21.5443, 26.9443,  
30.8533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	659791
RGB	101, 151, 145
RGB Percent	40%, 59%, 57%
CMY	0.6039, 0.4078, 0.4314
CMYK	0.33, 0.00, 0.04, 0.41
HSL	173°, 20%, 49%
HSV	173°, 33%, 59%
XYZ	21.5443, 26.9443, 30.8533
YIQ	135.3660, -27.8740, -12.4660

# Conversions

## Conversions Part 2

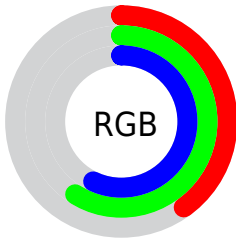
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 128, 151
Decimal	6657937
CIELab	58.92, -18.08, -2.19
CIELCh	59, 18.214, 186.897
Yxy	26.9443, 0.2715, 0.3396
Android (android.graphics.Color)	4284848017 (0xFF659791)
YUV	135.3660, 4.7496, -30.1390
Hunter-Lab	51.9079, -16.7527, 1.0944

# Details

The XYZ color **21.5443, 26.9443, 30.8533** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0710, 16.9490, 16.1247**, and the grayscale version is **23.1561, 24.3620, 26.5302**.

A 20% lighter version of the original color is **45.4666, 54.6562, 62.1862**, and **7.9880, 10.6444, 12.4600** is the 20% darker color. If you saturate the color by 10%, you get **19.8680, 26.0969, 30.0515**, and if you desaturate by 10%, it is **23.5350, 27.9550, 31.6826**.

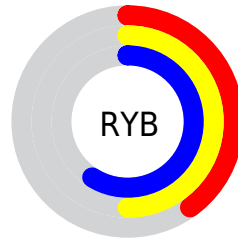
# Distribution



Red (40%)

Green (59%)

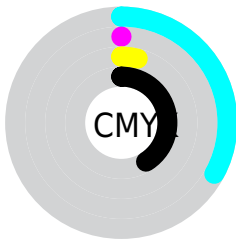
Blue (57%)



Red (40%)

Yellow (50%)

Blue (59%)

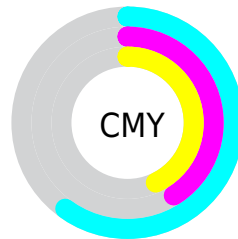


Cyan (33%)

Magenta (0%)

Yellow (4%)

Black (41%)



Cyan (60%)

Magenta (41%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5443, 26.9443, 30.8533 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 XYZ color 21.5443, 26.9443, 30.8533 by changing the saturation by 10% instead.



■ 21.5443, 26.9443,  
30.8533

■ 21.5443, 26.9443,  
30.8533

252.8345,  
287.3873, 320.1921

■ 13.6372, 17.5314,  
20.2296

■ 45.4761, 54.7945,  
62.0859

■ 7.9488, 10.6141,  
12.3763

■ 62.2316, 74.0005,  
83.5319

■ 4.1137, 5.8080,  
6.8749

■ 82.6671, 97.2398,  
109.4225

■ 1.7667, 2.7287,  
3.3067

■ 107.1482,  
124.8966, 140.1761

■ 0.4975, 0.9918,  
1.2533

136.0401,  
157.3553, 176.2113

■ 0.0000, 0.0000,  
0.0231

169.7082,

■ 0.0000, 0.0000,

195.0004, 217.9467

0.0000

208.5179,  
238.2163, 265.8008

■ 21.5443, 26.9443,  
30.8533

■ 21.5443, 26.9443,  
30.8533

■ 19.8680, 26.0969,  
30.0515

■ 23.5350, 27.9550,  
31.6826

■ 18.4868, 25.4006,  
29.2746

■ 25.8536, 29.1337,  
32.5383

■ 17.3828, 24.8470,  
28.5222

■ 28.5155, 30.4892,  
33.4219

■ 16.5351, 24.4252,  
27.7932

■ 31.5346, 32.0285,  
34.3339

■ 15.9200, 24.1231,  
27.0866

■ 34.9238, 33.7584,  
35.2752

■ 15.5091, 23.9260,  
26.4009

■ 38.6955, 35.6852,  
36.2462

■ 15.2922, 23.8243,  
25.9383

■ 42.8615, 37.8150,  
37.2477

■ 47.4331, 40.1536,  
38.2801

■ 52.4212, 42.7067,  
39.3441

# Harmonies

## Analogous

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



21.8273, 26.9443, 24.7327



21.5443, 26.9443, 30.8533



22.2984, 26.9443, 37.4368

# Triad

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



21.5443, 26.9443, 30.8533



28.3004, 26.9443, 40.4233



27.3480, 26.9443, 19.3395

# Complementary

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



21.5443, 26.9443, 30.8533



20.0710, 16.9490, 16.1247

# 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.



29.2337, 26.9443, 22.5001



21.5443, 26.9443, 30.8533



29.8057, 26.9443, 34.4817

# Square

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



21.5443, 26.9443, 30.8533



26.1336, 26.9443, 43.4629



30.1569, 26.9443, 27.8727



25.0929, 26.9443, 18.6618



# Rectangle

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



21.5443, 26.9443, 30.8533



23.3153, 26.9443, 41.0096



30.1569, 26.9443, 27.8727



28.0500, 26.9443, 20.1217

# Sweetspot

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



21.5451, 26.9454, 30.8539



47.6224, 52.8463, 58.7252



19.5603, 26.2412, 16.3466



10.6889, 11.9425, 13.3014



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



21.5451, 26.9454, 30.8539



36.2257, 47.0607, 54.1444



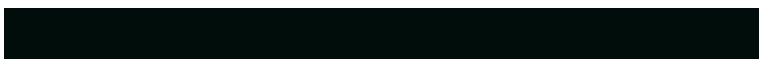
19.2956, 21.6860, 32.4483



6.3526, 7.0138, 7.7805



13.0158, 20.2698, 22.1017



0.2024, 0.3062, 0.3717



# Inverse Universe

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



20.0710, 16.9490, 16.1247



33.1585, 26.2334, 23.4759



21.7490, 20.7930, 15.1796



6.2375, 6.2341, 6.6306



10.9573, 5.6371, 1.0341



0.1707, 0.0870, 0.0518



# Previews

## White Background



This preview shows how the XYZ color 21.5443, 26.9443, 30.8533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

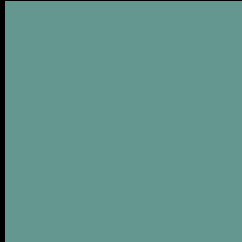
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 21.5443, 26.9443, 30.8533 looks on a black 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

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

**XYZ 21.5443, 26.9443, 30.8533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.5443, 26.9443, 30.8533.



This preview shows how white text looks on a background with the XYZ color 21.5443, 26.9443,



# 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

21.5443, 26.9443, 30.8533

### Protanopia

25.6867, 26.8431, 28.2535

### Deuteranopia

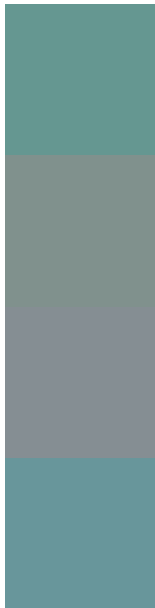
27.2399, 26.7048, 31.7358



## Tritanopia

23.0062, 27.0714, 37.7310

# Trichromacy



## Original Color

21.5443, 26.9443, 30.8533

## Protanomaly

23.8352, 26.7631, 29.1088

## Deuteranomaly

24.6123, 26.4391, 31.4098

## Tritanomaly

22.5317, 27.1223, 35.0579

# Monochromacy



## Original Color

21.5443, 26.9443, 30.8533

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

22.3535, 25.1248, 28.0975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.5443, 26.9443, 30.8533 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(101, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(101, 151, 145)  
}
```

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(101, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 151, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 21.5443, 26.9443, 30.8533 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(101, 151, 145) }
```



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

```
.border{ border-color:rgb(101, 151, 145) }
```

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

Here you see how a box with a 4 pixel rgb(101, 151, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(101, 151,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.5443, 26.9443, 30.8533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 151, 145) }
```

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

```
.background{ background-color: rgb(101,  
151, 145) }
```

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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