

# Converting Colors

XYZ(19.1346, 26.4683, 21.3916)

Have a look what the booklet for  
XYZ(19.1346, 26.4683, 21.3916)  
contains.

<b>XYZ(19.0749, 26.3658, 21.2233)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(19.0749, 26.3658,  
21.2233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C9976
RGB	92, 153, 118
RGB Percent	36%, 60%, 46%
CMY	0.6392, 0.4000, 0.5372
CMYK	0.40, 0.00, 0.23, 0.40
HSL	146°, 25%, 48%
HSV	146°, 40%, 60%
XYZ	19.0749, 26.3658, 21.2233
YIQ	130.7710, -25.1210, -23.8170

# Conversions

## Conversions Part 2

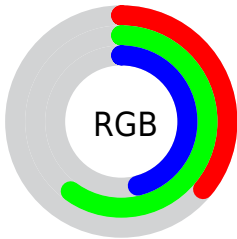
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 135, 153
Decimal	6068598
CIE <sub>Lab</sub>	58.38, -27.88, 12.28
CIE <sub>LCh</sub>	58, 30.464, 156.219
Yxy	26.3658, 0.2861, 0.3955
Android (android.graphics.Color)	4284258678 (0xFF5C9976)
YUV	130.7710, -6.2961, -34.0022
Hunter-Lab	51.3476, -23.5482, 11.4373

# Details

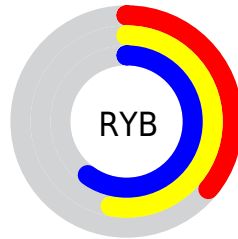
The XYZ color **19.0749, 26.3658, 21.2233** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.7957, 15.9595, 22.0642**, and the grayscale version is **21.5204, 22.6412, 24.6562**.

A 20% lighter version of the original color is **41.4886, 54.0338, 46.2731**, and **6.6736, 10.2210, 7.4155** is the 20% darker color. If you saturate the color by 10%, you get **17.2005, 25.4578, 18.5381**, and if you desaturate by 10%, it is **21.3080, 27.4546, 24.1799**.

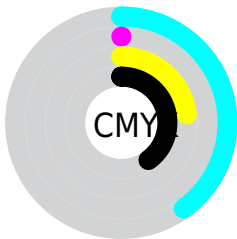
# Distribution



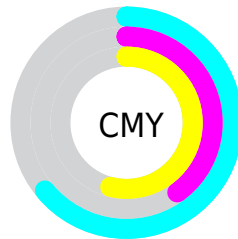
- Red (36%)
- Green (60%)
- Blue (46%)



- Red (36%)
- Yellow (53%)
- Blue (60%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)



- Cyan (64%)
- Magenta (40%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0749, 26.3658, 21.2233 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 19.0749, 26.3658, 21.2233 by changing the saturation by 10% instead.



■ 19.0749, 26.3658,  
21.2233

■ 19.0749, 26.3658,  
21.2233

239.7921,  
284.5732, 271.2828

■ 11.8287, 17.0975,  
13.0945

■ 41.3765, 53.8645,  
46.3445

■ 6.6985, 10.3040,  
7.3622

■ 57.1627, 72.8637,  
64.1739

■ 3.3189, 5.6010,  
3.6077

■ 76.5262, 95.8752,  
86.0740

■ 1.3246, 2.6040,  
1.4127

■ 99.8325, 123.2836,  
112.4633

■ 0.2015, 0.9287,  
0.1516

127.4469,  
155.4732, 143.7602

■ 0.0000, 0.0000,  
0.0000

159.7347,

192.8284, 180.3834

197.0613,  
235.7336, 222.7514

■ 19.0749, 26.3658,  
21.2233

■ 19.0749, 26.3658,  
21.2233

■ 17.2005, 25.4578,  
18.5381

■ 21.3080, 27.4546,  
24.1799

■ 15.6627, 24.7170,  
16.1147

■ 23.9160, 28.7302,  
27.4137

■ 14.4401, 24.1335,  
13.9456


■ 26.9168, 30.2024,  
30.9324


■ 13.5077, 23.6944,  
12.0219


■ 30.3264, 31.8793,  
34.7429


■ 12.8366, 23.3851,  
10.3345


■ 34.1599, 33.7686,  
38.8518


 12.3579, 23.1702,  
8.8718

 38.4316, 35.8775,  
43.2657

 12.3520, 23.1676,  
8.8541

 43.1552, 38.2129,  
47.9907

 48.3437, 40.7814,  
53.0328

 54.0095, 43.5894,  
58.3981

# Harmonies

## Analogous

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



21.0716, 26.3658, 15.1639



19.0749, 26.3658, 21.2233



18.6082, 26.3658, 30.9817

# Triad

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



19.0749, 26.3658, 21.2233



25.8418, 26.3658, 54.2265



31.2760, 26.3658, 18.2369

# Complementary

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



19.0749, 26.3658, 21.2233



20.7957, 15.9595, 22.0642

# 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.



32.8532, 26.3658, 26.5481



19.0749, 26.3658, 21.2233



29.5222, 26.3658, 48.5779

# Square

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



19.0749, 26.3658, 21.2233



22.2884, 26.3658, 51.7935



32.1817, 26.3658, 37.7729



28.0522, 26.3658, 13.7613



# Rectangle

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



19.0749, 26.3658, 21.2233



19.1822, 26.3658, 38.7282



32.1817, 26.3658, 37.7729



32.0301, 26.3658, 20.5847

# Sweetspot

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



19.0756, 26.3669, 21.2239



46.8654, 53.4300, 53.8554



22.1635, 28.1133, 14.3838



10.2072, 11.7286, 11.7280



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.



19.0756, 26.3669, 21.2239



31.0864, 45.7271, 33.6214



21.1444, 27.1944, 32.1182



6.2360, 6.9671, 7.1659



10.2244, 19.1532, 7.4022



0.1705, 0.2934, 0.2037



# Inverse Universe

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



20.7957, 15.9595, 22.0642



34.6091, 24.3901, 35.3255



19.1264, 15.2918, 13.2736



6.3498, 6.2791, 7.2223



12.3229, 6.1834, 8.2254



0.2024, 0.0997, 0.2187



# Previews

## White Background



This preview shows how the XYZ color 19.0749, 26.3658, 21.2233 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 19.0749, 26.3658, 21.2233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

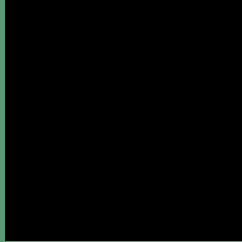
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 19.0749, 26.3658, 21.2233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.0749, 26.3658, 21.2233.



This preview shows how white text looks on a background with the XYZ color 19.0749, 26.3658,



# 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

19.0749, 26.3658, 21.2233

### Protanopia

24.3146, 25.9088, 18.7583

### Deuteranopia

26.6740, 26.2067, 22.0649



## Tritanopia

22.0586, 26.1373, 36.6833

# Trichromacy



## Original Color

19.0749, 26.3658, 21.2233

## Protanomaly

21.9126, 25.7506, 19.7350

## Deuteranomaly

23.1159, 25.8774, 21.8657

## Tritanomaly

20.8185, 26.1052, 30.3271

# Monochromacy



## Original Color

19.0749, 26.3658, 21.2233

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

20.3346, 23.7535, 23.2518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.0749, 26.3658, 21.2233 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(92, 153, 118)` looks like.

```
.text, #text, p{  
    color:rgb(92, 153, 118)  
}
```

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(92, 153, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 153, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 19.0749, 26.3658, 21.2233 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(92, 153, 118) }
```



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

```
.border{ border-color:rgb(92, 153, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 153, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 153, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 153, 118);  
box-shadow:4px 4px 4px 4px rgb(92, 153,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.0749, 26.3658, 21.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 153, 118) }
```

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

```
.background{ background-color: rgb(92, 153,  
118) }
```

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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