

# Converting Colors

XYZ(22.6526, 30.0169, 31.1194)

Have a look what the booklet for  
XYZ(22.6526, 30.0169, 31.1194)  
contains.

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# Color

**XYZ(22.6028, 29.9902,  
30.9829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60A190
RGB	96, 161, 144
RGB Percent	38%, 63%, 56%
CMY	0.6235, 0.3686, 0.4353
CMYK	0.40, 0.00, 0.11, 0.37
HSL	164°, 26%, 50%
HSV	164°, 40%, 63%
XYZ	22.6028, 29.9902, 30.9829
YIQ	139.6270, -33.2830, -19.0670

# Conversions

## Conversions Part 2

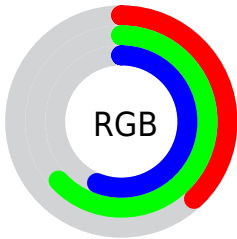
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 133, 161
Decimal	6332816
CIELab	61.65, -24.91, 2.32
CIELCh	62, 25.014, 174.669
Yxy	29.9902, 0.2704, 0.3588
Android (android.graphics.Color)	4284522896 (0xFF60A190)
YUV	139.6270, 2.1559, -38.2609
Hunter-Lab	54.7633, -22.1624, 4.7904

# Details

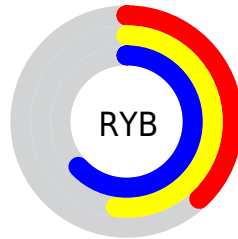
The XYZ color **22.6028, 29.9902, 30.9829** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8625, 17.1359, 17.7793**, and the grayscale version is **24.7845, 26.0752, 28.3959**.

A 20% lighter version of the original color is **47.1433, 59.5785, 62.4412**, and **8.4853, 12.2590, 12.5087** is the 20% darker color. If you saturate the color by 10%, you get **20.7635, 29.0793, 29.2483**, and if you desaturate by 10%, it is **24.8027, 31.0872, 32.7984**.

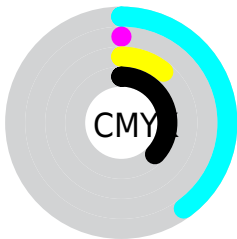
# Distribution



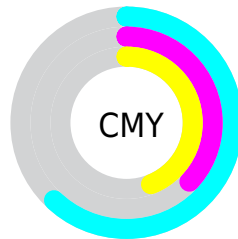
- Red (38%)
- Green (63%)
- Blue (56%)



- Red (38%)
- Yellow (52%)
- Blue (63%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (37%)



- Cyan (62%)
- Magenta (37%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6028, 29.9902, 30.9829 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 22.6028, 29.9902, 30.9829 by changing the saturation by 10% instead.



■ 22.6028, 29.9902,  
30.9829

■ 22.6028, 29.9902,  
30.9829

258.2519,  
301.8588, 320.8083

■ 14.4196, 19.8311,  
20.3275

■ 47.2118, 59.6467,  
62.2924

■ 8.4967, 12.2724,  
12.4469

■ 64.3682, 79.9129,  
83.7836

■ 4.4689, 6.9295,  
6.9226

■ 85.2465, 104.3170,  
109.7237

■ 1.9706, 3.4180,  
3.3360

■ 110.2118,  
133.2433, 140.5314

■ 0.6174, 1.3537,  
1.2687

139.6297,  
167.0762, 176.6252

■ 0.0000, 0.1822,  
0.0359

173.8654,

■ 0.0000, 0.0000,

206.2002, 218.4235

0.0000

213.2844,  
250.9996, 266.3451

■ 22.6028, 29.9902,  
30.9829

■ 22.6028, 29.9902,  
30.9829

■ 20.7635, 29.0793,  
29.2483

■ 24.8027, 31.0872,  
32.7984

■ 19.2609, 28.3398,  
27.5908

■ 27.3803, 32.3767,  
34.6943

■ 18.0720, 27.7606,  
26.0093


■ 30.3547, 33.8693,  
36.6727


■ 17.1697, 27.3279,  
24.5019


■ 33.7429, 35.5739,  
38.7352


■ 16.5224, 27.0253,  
23.0663

■ 37.5608, 37.4985,  
40.8831

 16.0686, 26.8201,  
21.7481

 41.8236, 39.6510,  
43.1177

 46.5457, 42.0388,  
45.4403

 51.7408, 44.6690,  
47.8522

 57.4221, 47.5483,  
50.3546

# Harmonies

## Analogous

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



23.6020, 29.9902, 23.1713



22.6028, 29.9902, 30.9829



23.0822, 29.9902, 40.9055

# Triad

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



22.6028, 29.9902, 30.9829



31.2565, 29.9902, 52.2727



32.3630, 29.9902, 19.8816

# Complementary

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



22.6028, 29.9902, 30.9829



21.8625, 17.1359, 17.7793

# 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.



34.7164, 29.9902, 25.5946



22.6028, 29.9902, 30.9829



34.0435, 29.9902, 44.4249

# Square

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



22.6028, 29.9902, 30.9829



27.9151, 29.9902, 54.4808



35.3539, 29.9902, 34.3846



29.1027, 29.9902, 17.6092



# Rectangle

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



22.6028, 29.9902, 30.9829



24.1966, 29.9902, 47.2870



35.3539, 29.9902, 34.3846



33.2962, 29.9902, 21.4022

# Sweetspot

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



22.6036, 29.9914, 30.9836



53.3184, 60.1311, 65.0072



21.7102, 29.8684, 15.6878



11.5492, 13.1152, 14.1633



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



22.6036, 29.9914, 30.9836



37.6301, 52.2968, 52.8274



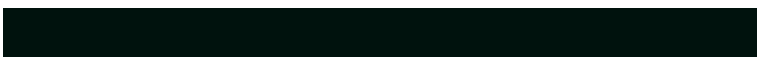
21.5111, 25.5676, 37.5209



7.1966, 7.9795, 8.6472



12.8503, 21.4265, 17.4599



0.2877, 0.4573, 0.4600



# Inverse Universe

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



21.8625, 17.1359, 17.7793



36.1350, 26.1989, 26.0684



22.5129, 19.8278, 13.7074



7.1463, 7.1150, 7.7568



12.0890, 6.1916, 2.3932



0.2722, 0.1374, 0.1462



# Previews

## White Background



This preview shows how the XYZ color 22.6028, 29.9902, 30.9829 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 22.6028, 29.9902, 30.9829 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 ✓ Pass

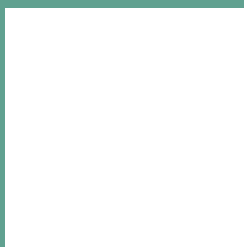
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 22.6028, 29.9902, 30.9829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.6028, 29.9902, 30.9829.



This preview shows how white text looks on a background with the XYZ color 22.6028, 29.9902,



# 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

22.6028, 29.9902, 30.9829

### Protanopia

28.4317, 29.8560, 27.9312

### Deuteranopia

30.2720, 29.5696, 32.1290



## Tritanopia

24.9062, 29.8998, 42.4888

# Trichromacy



## Original Color

22.6028, 29.9902, 30.9829

## Protanomaly

25.7977, 29.6625, 29.1767

## Deuteranomaly

26.8203, 29.4082, 31.8665

## Tritanomaly

23.9154, 29.7363, 38.1974

# Monochromacy



## Original Color

22.6028, 29.9902, 30.9829

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

23.7098, 27.3880, 29.2361

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.6028, 29.9902, 30.9829 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(96, 161, 144)` looks like.

```
.text, #text, p{  
    color:rgb(96, 161, 144)  
}
```

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(96, 161, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 161, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 22.6028, 29.9902, 30.9829 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".

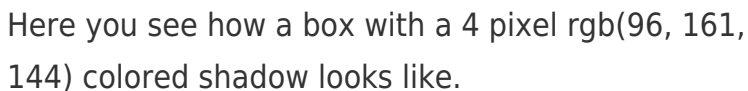
```
.border, #border, table{ border:4px solid rgb(96, 161, 144) }
```



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

```
.border{ border-color:rgb(96, 161, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 161, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 161, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 161, 144);  
box-shadow:4px 4px 4px 4px rgb(96, 161,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.6028, 29.9902, 30.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 161, 144) }
```

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

```
.background{ background-color: rgb(96, 161,  
144) }
```

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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