

Converting Colors

XYZ(23.9951, 30.7985, 28.0280)

Have a look what the booklet for
XYZ(23.9951, 30.7985, 28.0280)
contains.

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Color

**XYZ(23.9989, 30.7780,
27.9684)**

Conversions

Conversions Part 1

Format	Color
Hex	71A188
RGB	113, 161, 136
RGB Percent	44%, 63%, 53%
CMY	0.5569, 0.3686, 0.4667
CMYK	0.30, 0.00, 0.16, 0.37
HSL	149°, 20%, 54%
HSV	149°, 30%, 63%
XYZ	23.9989, 30.7780, 27.9684
YIQ	143.7980, -20.5830, -17.9510

Conversions

Conversions Part 2

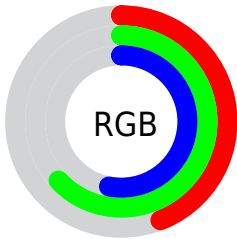
Format	Color
RYB	113, 145, 161
Decimal	7446920
CIELab	62.32, -21.56, 7.90
CIElCh	62, 22.962, 159.879
Yxy	30.7780, 0.2900, 0.3720
Android (android.graphics.Color)	4285637000 (0xFF71A188)
YUV	143.7980, -3.8444, -27.0098
Hunter-Lab	55.4779, -19.8700, 8.9443

Details

The XYZ color **23.9989, 30.7780, 27.9684** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.1916, 21.2232, 26.8150**, and the grayscale version is **26.4496, 27.8270, 30.3036**.

A 20% lighter version of the original color is **49.4671, 60.8928, 57.2904**, and **9.1983, 12.6659, 10.7641** is the 20% darker color. If you saturate the color by 10%, you get **21.5357, 29.5752, 24.8631**, and if you desaturate by 10%, it is **26.8779, 32.1914, 31.3380**.

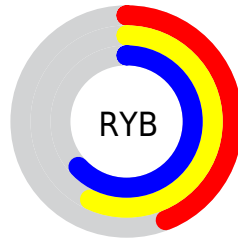
Distribution



Red (44%)

Green (63%)

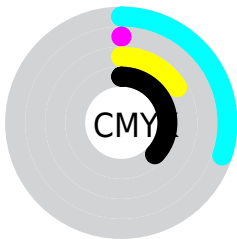
Blue (53%)



Red (44%)

Yellow (57%)

Blue (63%)

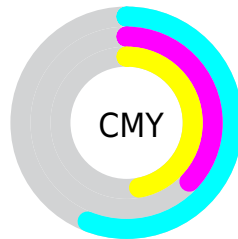


Cyan (30%)

Magenta (0%)

Yellow (16%)

Black (37%)



Cyan (56%)

Magenta (37%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9989, 30.7780, 27.9684 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 23.9989, 30.7780, 27.9684 by changing the saturation by 10% instead.

■ 23.9989, 30.7780,
27.9684

■ 23.9989, 30.7780,
27.9684

265.2555,
305.5143, 306.2231

■ 15.4575, 20.4299,
18.0630

■ 49.4831, 60.8904,
57.4565

■ 9.2295, 12.7079,
10.8253

■ 67.1566, 81.4234,
77.8762

■ 4.9495, 7.2277,
5.8368

■ 88.6049, 106.1202,
102.6379

■ 2.2521, 3.6049,
2.6789

■ 114.1934,
135.3651, 132.1599

■ 0.7700, 1.4551,
0.9328

144.2873,
169.5426, 166.8609

■ 0.0000, 0.2568,
0.0000

179.2521,

■ 0.0000, 0.0000,

209.0370, 207.1594

0.0000

219.4530,
254.2328, 253.4740

■ 23.9989, 30.7780,
27.9684

■ 23.9989, 30.7780,
27.9684

■ 21.5357, 29.5752,
24.8631

■ 26.8779, 32.1914,
31.3380

■ 19.4653, 28.5688,
22.0134

■ 30.1893, 33.8214,
34.9759

■ 17.7663, 27.7487,
19.4134

■ 33.9516, 35.6782,
38.8891

■ 16.4139, 27.1023,
17.0558

■ 38.1816, 37.7705,
43.0831

■ 15.3803, 26.6154,
14.9331

■ 42.8953, 40.1062,
47.5638

■ 14.6330, 26.2714,
13.0374

■ 48.1078, 42.6931,
52.3365

■ 14.0993, 26.0328,
11.3584

■ 53.8336, 45.5385,
57.4065

■ 14.0900, 26.0287,
11.3291

■ 60.0864, 48.6495,
62.7791

■ 65.8030, 51.4778,
68.4089

Harmonies

Analogous

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



25.5907, 30.7780, 22.0303



23.9989, 30.7780, 27.9684



23.7580, 30.7780, 36.5316

Triad

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



23.9989, 30.7780, 27.9684



30.2897, 30.7780, 53.3332



34.0777, 30.7780, 23.7024

Complementary

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



23.9989, 30.7780, 27.9684



25.1916, 21.2232, 26.8150

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.



35.5373, 30.7780, 30.6636



23.9989, 30.7780, 27.9684



33.2503, 30.7780, 48.4176

Square

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



23.9989, 30.7780, 27.9684



27.2478, 30.7780, 52.2638



35.2242, 30.7780, 39.7436



31.3554, 30.7780, 19.8863

Rectangle

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



23.9989, 30.7780, 27.9684



24.3770, 30.7780, 42.7705



35.2242, 30.7780, 39.7436



34.7407, 30.7780, 25.6965

Sweetspot

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



23.9997, 30.7793, 27.9691



54.4739, 60.7708, 63.0732



26.3074, 32.1379, 20.4401



11.7562, 13.2339, 13.6291



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.



23.9997, 30.7793, 27.9691



39.8740, 53.6021, 46.2212



25.8488, 31.5189, 37.7059



7.1203, 7.9489, 8.2451



11.2732, 20.7956, 9.1552



0.2607, 0.4465, 0.3180

Inverse Universe

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



25.1916, 21.2232, 26.8150



42.3695, 33.5899, 43.8019



23.6756, 20.6168, 18.8314



7.2206, 7.1447, 8.1481



13.0332, 6.5693, 7.3653



0.2976, 0.1475, 0.2798

Previews

White Background



This preview shows how the XYZ color 23.9989, 30.7780, 27.9684 looks on a white background.

Color Contrast Check

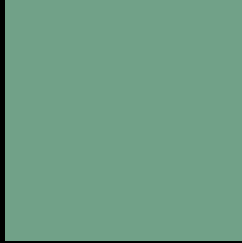
Large Text (above 18pt) WCAG AA × Fail

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 23.9989, 30.7780, 27.9684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

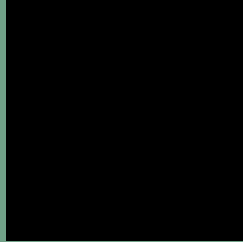
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9989, 30.7780, 27.9684

Background



This preview shows how black text looks on a background with the XYZ color 23.9989, 30.7780, 27.9684.



This preview shows how white text looks on a background with the XYZ color 23.9989, 30.7780,

27.9684.

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

23.9989, 30.7780, 27.9684

Protanopia

28.8402, 30.5925, 25.5040

Deuteranopia

31.1478, 30.5499, 28.6812



Tritanopia

26.7956, 30.6346, 42.0369

Trichromacy



Original Color

23.9989, 30.7780, 27.9684

Protanomaly

26.7050, 30.4399, 26.2978

Deuteranomaly

28.0485, 30.3578, 28.4261

Tritanomaly

25.6488, 30.6699, 36.4663

Monochromacy



Original Color

23.9989, 30.7780, 27.9684

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3869, 28.7223, 29.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9989, 30.7780, 27.9684 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(113, 161, 136)` looks like.

```
.text, #text, p{  
    color:rgb(113, 161, 136)  
}
```

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(113, 161, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 161, 136) }
```

Border

The CSS property to change the border of an element to XYZ 23.9989, 30.7780, 27.9684 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(113, 161, 136) }
```


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

```
.border{ border-color:rgb(113, 161, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 161, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 161, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 161, 136);  
box-shadow:4px 4px 4px 4px rgb(113, 161,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9989, 30.7780, 27.9684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 161, 136) }
```

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

```
.background{ background-color: rgb(113,  
161, 136) }
```

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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