

Converting Colors

XYZ(23.6633, 29.5879, 33.6640)

Have a look what the booklet for
XYZ(23.6633, 29.5879, 33.6640)
contains.

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Color

**XYZ(23.7566, 29.7523,
33.7688)**

Conversions

Conversions Part 1

Format	Color
Hex	6A9E97
RGB	106, 158, 151
RGB Percent	42%, 62%, 59%
CMY	0.5843, 0.3804, 0.4078
CMYK	0.33, 0.00, 0.04, 0.38
HSL	172°, 21%, 52%
HSV	172°, 33%, 62%
XYZ	23.7566, 29.7523, 33.7688
YIQ	141.6540, -28.7450, -13.2010

Conversions

Conversions Part 2

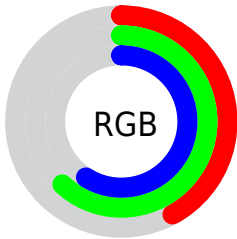
Format	Color
RYB	106, 134, 158
Decimal	6987415
CIELab	61.44, -18.84, -1.86
CIElCh	61, 18.927, 185.643
Yxy	29.7523, 0.2722, 0.3409
Android (android.graphics.Color)	4285177495 (0xFF6A9E97)
YUV	141.6540, 4.6076, -31.2686
Hunter-Lab	54.5457, -17.7118, 1.4760

Details

The XYZ color **23.7566, 29.7523, 33.7688** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2362, 18.7701, 18.0749**, and the grayscale version is **25.5657, 26.8971, 29.2910**.

A 20% lighter version of the original color is **49.1118, 59.3672, 66.6282**, and **9.0298, 12.0404, 13.9047** is the 20% darker color. If you saturate the color by 10%, you get **21.8782, 28.8045, 32.7876**, and if you desaturate by 10%, it is **25.9858, 30.8821, 34.7840**.

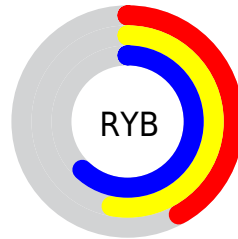
Distribution



Red (42%)

Green (62%)

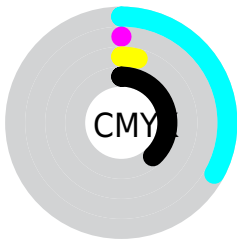
Blue (59%)



Red (42%)

Yellow (53%)

Blue (62%)

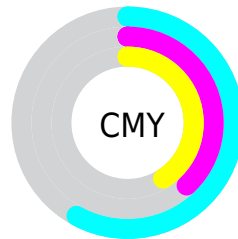


Cyan (33%)

Magenta (0%)

Yellow (4%)

Black (38%)



Cyan (58%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7566, 29.7523, 33.7688 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 23.7566, 29.7523, 33.7688 by changing the saturation by 10% instead.

■ 23.7566, 29.7523,
33.7688

■ 23.7566, 29.7523,
33.7688

264.0510,
300.7482, 333.8375

■ 15.2769, 19.6507,
22.4401

■ 49.0903, 59.2702,
66.7038

■ 9.1015, 12.1414,
13.9792

■ 66.6750, 79.4553,
89.1471

■ 4.8651, 6.8400,
7.9676

■ 88.0254, 103.7703,
116.1324

■ 2.2023, 3.3623,
3.9868

■ 113.5070,
132.5997, 148.0783

■ 0.7439, 1.3237,
1.6181

143.4849,
166.3277, 185.4032

■ 0.0000, 0.1594,
0.3037

178.3247,

■ 0.0000, 0.0000,

205.3389, 228.5256

0.0000

218.3916,
250.0176, 277.8643

■ 23.7566, 29.7523,
33.7688

■ 23.7566, 29.7523,
33.7688

■ 21.8782, 28.8045,
32.7876

■ 25.9858, 30.8821,
34.7840

■ 20.3290, 28.0253,
31.8374

■ 28.5809, 32.1994,
35.8320

■ 19.0889, 27.4051,
30.9177

■ 31.5590, 33.7138,
36.9144

■ 18.1348, 26.9319,
30.0274

■ 34.9356, 35.4333,
38.0320

■ 17.4399, 26.5920,
29.1653

■ 38.7253, 37.3653,
39.1855

■ 16.9726, 26.3692,
28.3296

■ 42.9418, 39.5170,
40.3757

■ 16.7233, 26.2532,
27.7506

■ 47.5983, 41.8952,
41.6033

■ 52.7074, 44.5063,
42.8689

■ 58.2812, 47.3566,
44.1732

Harmonies

Analogous

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



24.1189, 29.7523, 27.0391



23.7566, 29.7523, 33.7688



24.5468, 29.7523, 41.1047

Triad

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



23.7566, 29.7523, 33.7688



31.1755, 29.7523, 44.9303



30.3094, 29.7523, 21.3957

Complementary

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



23.7566, 29.7523, 33.7688



22.2362, 18.7701, 18.0749

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.



32.3708, 29.7523, 25.0120



23.7566, 29.7523, 33.7688



32.8912, 29.7523, 38.4157

Square

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



23.7566, 29.7523, 33.7688



28.7543, 29.7523, 48.1301



33.3410, 29.7523, 31.0594



27.8083, 29.7523, 20.5284

Rectangle

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



23.7566, 29.7523, 33.7688



25.6499, 29.7523, 45.1512



33.3410, 29.7523, 31.0594



31.0812, 29.7523, 22.3011

Sweetspot

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



23.7575, 29.7535, 33.7695



53.2995, 59.1824, 65.5956



21.7427, 29.0596, 18.0992



11.8611, 13.2637, 14.7303



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.



23.7575, 29.7535, 33.7695



40.7375, 52.8152, 60.0948



21.4651, 24.2315, 35.8950



6.7834, 7.4941, 8.2940



13.4035, 21.0293, 22.2797



0.2493, 0.3799, 0.4491

Inverse Universe

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



22.2362, 18.7701, 18.0749



37.5709, 29.9229, 27.4031



23.9358, 22.7761, 16.7707



6.6676, 6.6600, 7.1009



11.4126, 5.8696, 1.1578



0.2132, 0.1086, 0.0689

Previews

White Background



This preview shows how the XYZ color 23.7566, 29.7523, 33.7688 looks on a white background.

Color Contrast Check

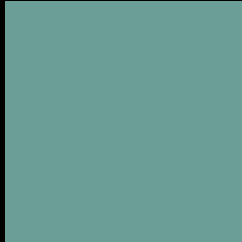
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7566, 29.7523, 33.7688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

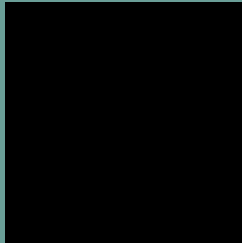
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7566, 29.7523, 33.7688

Background



This preview shows how black text looks on a background with the XYZ color 23.7566, 29.7523, 33.7688.

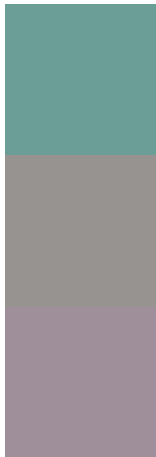


This preview shows how white text looks on a background with the XYZ color 23.7566, 29.7523,

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

23.7566, 29.7523, 33.7688

Protanopia

28.3071, 29.4911, 30.9885

Deuteranopia

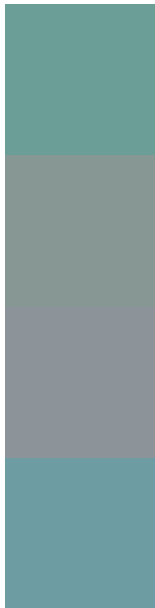
29.9533, 29.3489, 34.6581



Tritanopia

25.2196, 29.5848, 41.4270

Trichromacy



Original Color

23.7566, 29.7523, 33.7688

Protanomaly

26.3247, 29.3907, 31.8893

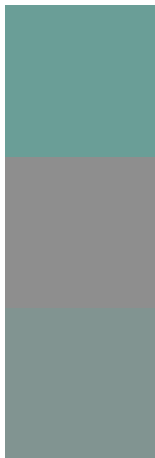
Deuteranomaly

27.1549, 29.0552, 34.3140

Tritanomaly

24.7167, 29.6368, 38.6002

Monochromacy



Original Color

23.7566, 29.7523, 33.7688

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.7540, 27.8913, 30.8669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7566, 29.7523, 33.7688 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(106, 158, 151)` looks like.

```
.text, #text, p{  
    color:rgb(106, 158, 151)  
}
```

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(106, 158, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 158, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.7566, 29.7523, 33.7688 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(106, 158, 151) }
```


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

```
.border{ border-color:rgb(106, 158, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 158, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 158, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 158, 151);  
box-shadow:4px 4px 4px 4px rgb(106, 158,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7566, 29.7523, 33.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 158, 151) }
```

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

```
.background{ background-color: rgb(106,  
158, 151) }
```

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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