

Converting Colors

XYZ(23.6233, 27.6835, 29.8382)

Have a look what the booklet for
XYZ(23.6233, 27.6835, 29.8382)
contains.

XYZ(23.6740, 27.8306, 29.7153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.6740, 27.8306,
29.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	79968E
RGB	121, 150, 142
RGB Percent	47%, 59%, 56%
CMY	0.5255, 0.4118, 0.4431
CMYK	0.19, 0.00, 0.05, 0.41
HSL	163°, 12%, 53%
HSV	163°, 19%, 59%
XYZ	23.6740, 27.8306, 29.7153
YIQ	140.4170, -14.7160, -8.6360

Conversions

Conversions Part 2

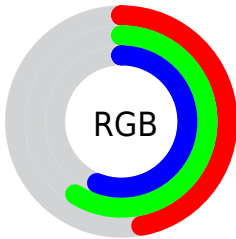
Format	Color
RYB	121, 138, 150
Decimal	7968398
CIELab	59.74, -11.85, 0.85
CIElCh	60, 11.884, 175.901
Yxy	27.8306, 0.2915, 0.3427
Android (android.graphics.Color)	4286158478 (0xFF79968E)
YUV	140.4170, 0.7804, -17.0287
Hunter-Lab	52.7547, -12.2178, 3.5319

Details

The XYZ color **23.6740, 27.8306, 29.7153** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.3785, 21.7445, 23.7350**, and the grayscale version is **25.0913, 26.3980, 28.7474**.

A 20% lighter version of the original color is **49.0122, 56.1699, 60.4832**, and **9.0661, 11.0741, 11.7849** is the 20% darker color. If you saturate the color by 10%, you get **21.4283, 26.7089, 28.0185**, and if you desaturate by 10%, it is **26.2597, 29.1277, 31.4894**.

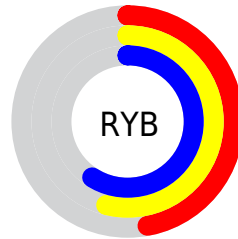
Distribution



Red (47%)

Green (59%)

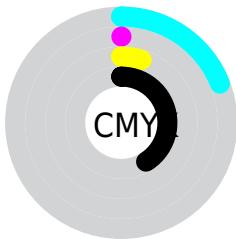
Blue (56%)



Red (47%)

Yellow (54%)

Blue (59%)

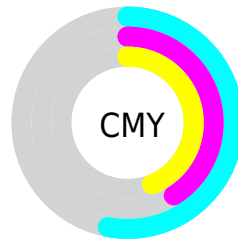


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (41%)



Cyan (53%)

Magenta (41%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6740, 27.8306, 29.7153 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 23.6740, 27.8306, 29.7153 by changing the saturation by 10% instead.

■ 23.6740, 27.8306,
29.7153

■ 23.6740, 27.8306,
29.7153

263.6393,
291.6566, 314.7410

■ 15.2154, 18.1980,
19.3724

■ 48.9562, 56.2139,
60.2673

■ 9.0580, 11.0922,
11.7601

■ 66.5106, 75.7333,
81.3135

■ 4.8364, 6.1289,
6.4600

■ 87.8276, 99.3172,
106.7645

■ 2.1854, 2.9236,
3.0535

113.2725,
127.3499, 137.0389

■ 0.7350, 1.0920,
1.1220

143.2108,
160.2158, 172.5552

■ 0.0000, 0.0000,
0.0000

178.0078,

198.2993, 213.7320

218.0289,
241.9847, 260.9877

■ 23.6740, 27.8306,
29.7153

■ 23.6740, 27.8306,
29.7153

■ 21.4283, 26.7089,
28.0185

■ 26.2597, 29.1277,
31.4894

■ 19.5051, 25.7514,
26.3958

■ 29.1972, 30.6042,
33.3403

■ 17.8888, 24.9508,
24.8464

■ 32.5008, 32.2680,
35.2698

■ 16.5616, 24.2979,
23.3689

■ 36.1831, 34.1256,
37.2792

■ 15.5036, 23.7825,
21.9615

■ 40.2562, 36.1833,
39.3696

■ 14.6927, 23.3933,
20.6226

■ 44.7315, 38.4469,
41.5421

■ 14.1028, 23.1167,
19.3503

■ 49.6201, 40.9222,
43.7979

■ 13.6738, 22.9219,
18.1409

■ 54.9326, 43.6147,
46.1380

■ 13.6465, 22.9095,
18.0624

■ 60.3088, 46.3385,
48.5462

Harmonies

Analogous

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



24.1313, 27.8306, 25.8971



23.6740, 27.8306, 29.7153



23.9376, 27.8306, 34.0625

Triad

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



23.6740, 27.8306, 29.7153



27.7343, 27.8306, 38.3712



28.1050, 27.8306, 23.9550

Complementary

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



23.6740, 27.8306, 29.7153



23.3785, 21.7445, 23.7350

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.



29.1369, 27.8306, 26.8305



23.6740, 27.8306, 29.7153



28.9172, 27.8306, 35.1818

Square

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



23.6740, 27.8306, 29.7153



26.2462, 27.8306, 39.3270



29.4396, 27.8306, 30.8980



26.6592, 27.8306, 22.7768

Rectangle

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



23.6740, 27.8306, 29.7153



24.4923, 27.8306, 36.6412



29.4396, 27.8306, 30.8980



28.5139, 27.8306, 24.7410

Sweetspot

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



23.6748, 27.8318, 29.7159



47.9384, 52.2043, 56.6048



23.4446, 27.8784, 22.2351



10.5602, 11.5372, 12.5036



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.6748, 27.8318, 29.7159



40.0751, 48.2623, 51.1897



23.3215, 26.1288, 32.6696



5.8965, 6.5352, 7.0661



11.3316, 19.0054, 15.0535



0.1512, 0.2376, 0.2500

Inverse Universe

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



23.3785, 21.7445, 23.7350



39.4595, 35.6011, 38.7532



23.6558, 23.1174, 21.3050



5.8626, 5.8401, 6.3829



10.7814, 5.5176, 2.3299



0.1431, 0.0720, 0.0872

Previews

White Background



This preview shows how the XYZ color 23.6740, 27.8306, 29.7153 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 23.6740, 27.8306, 29.7153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

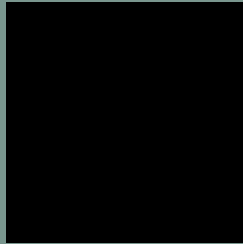
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6740, 27.8306, 29.7153

Background



This preview shows how black text looks on a background with the XYZ color 23.6740, 27.8306, 29.7153.



This preview shows how white text looks on a background with the XYZ color 23.6740, 27.8306,

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

23.6740, 27.8306, 29.7153

Protanopia

26.4425, 27.6829, 27.9944

Deuteranopia

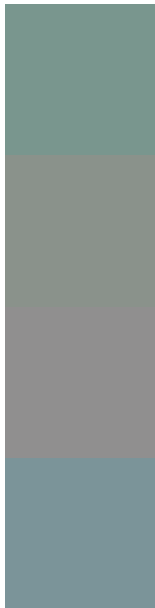
28.1713, 27.6470, 30.2372



Tritanopia

25.0039, 27.6557, 36.8211

Trichromacy



Original Color

23.6740, 27.8306, 29.7153

Protanomaly

25.4203, 27.8251, 28.4571

Deuteranomaly

26.2820, 27.5574, 29.9205

Tritanomaly

24.5081, 27.6907, 34.1901

Monochromacy



Original Color

23.6740, 27.8306, 29.7153

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.4538, 26.8562, 29.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6740, 27.8306, 29.7153 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(121, 150, 142)` looks like.

```
.text, #text, p{  
    color:rgb(121, 150, 142)  
}
```

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(121, 150, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 150, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.6740, 27.8306, 29.7153 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(121, 150, 142) }
```


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

```
.border{ border-color:rgb(121, 150, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 150, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 150, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 150, 142);  
box-shadow:4px 4px 4px 4px rgb(121, 150,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6740, 27.8306, 29.7153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 150, 142) }
```

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

```
.background{ background-color: rgb(121,  
150, 142) }
```

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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