

Converting Colors

XYZ(23.7379, 31.2606, 33.2042)

Have a look what the booklet for
XYZ(23.7379, 31.2606, 33.2042)
contains.

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Color

**XYZ(23.7373, 31.3175,
33.2276)**

Conversions

Conversions Part 1

Format	Color
Hex	62A495
RGB	98, 164, 149
RGB Percent	38%, 64%, 58%
CMY	0.6157, 0.3569, 0.4157
CMYK	0.40, 0.00, 0.09, 0.36
HSL	166°, 27%, 51%
HSV	166°, 40%, 64%
XYZ	23.7373, 31.3175, 33.2276
YIQ	142.5560, -34.5210, -18.6570

Conversions

Conversions Part 2

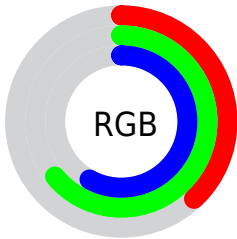
Format	Color
RYB	98, 135, 164
Decimal	6464661
CIELab	62.77, -24.67, 1.17
CIElCh	63, 24.702, 177.291
Yxy	31.3175, 0.2689, 0.3547
Android (android.graphics.Color)	4284654741 (0xFF62A495)
YUV	142.5560, 3.1769, -39.0756
Hunter-Lab	55.9620, -22.2196, 3.9698

Details

The XYZ color **23.7373, 31.3175, 33.2276** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.6592, 17.8210, 17.8695**, and the grayscale version is **25.9299, 27.2803, 29.7082**.

A 20% lighter version of the original color is **49.0599, 61.6502, 65.8139**, and **9.0810, 13.0281, 13.5913** is the 20% darker color. If you saturate the color by 10%, you get **21.8531, 30.3808, 31.6111**, and if you desaturate by 10%, it is **25.9954, 32.4474, 34.9127**.

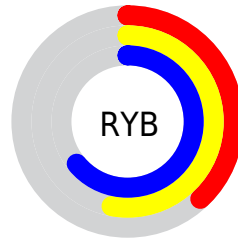
Distribution



Red (38%)

Green (64%)

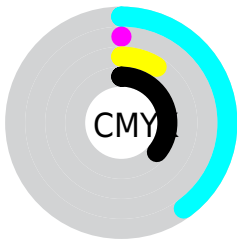
Blue (58%)



Red (38%)

Yellow (53%)

Blue (64%)

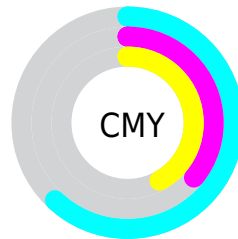


Cyan (40%)

Magenta (0%)

Yellow (9%)

Black (36%)



Cyan (62%)

Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7373, 31.3175, 33.2276 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 23.7373, 31.3175, 33.2276 by changing the saturation by 10% instead.

■ 23.7373, 31.3175,
33.2276

■ 23.7373, 31.3175,
33.2276

263.9548,
307.9984, 331.3375

■ 15.2625, 20.8407,
22.0283

■ 49.0590, 61.7396,
65.8508

■ 9.0914, 13.0076,
13.6792

■ 66.6366, 82.4537,
88.1118

■ 4.8584, 7.4338,
7.7617

■ 87.9792, 107.3491,
114.8971

■ 2.1983, 3.7348,
3.8573

■ 113.4522,
136.8101, 146.6253

■ 0.7419, 1.5264,
1.5474

143.4209,
171.2211, 183.7149

■ 0.0000, 0.3072,
0.2528

178.2507,

■ 0.0000, 0.0000,

210.9666, 226.5844

0.0000

218.3069,
256.4309, 275.6524

■ 23.7373, 31.3175,
33.2276

■ 23.7373, 31.3175,
33.2276

■ 21.8531, 30.3808,
31.6111

■ 25.9954, 32.4474,
34.9127

■ 20.3178, 29.6221,
30.0596

■ 28.6451, 33.7774,
36.6656

■ 19.1074, 29.0297,
28.5720

■ 31.7064, 35.3184,
38.4884

■ 18.1936, 28.5893,
27.1467

■ 35.1971, 37.0796,
40.3824

■ 17.5434, 28.2836,
25.7816

■ 39.1337, 39.0695,
42.3488

■ 17.0889, 28.0771,
24.5038

■ 43.5321, 41.2963,
44.3887

■ 48.4072, 43.7678,
46.5033

■ 53.7733, 46.4912,
48.6936

■ 59.6442, 49.4737,
50.9608

Harmonies

Analogous

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



24.6279, 31.3175, 25.0013



23.7373, 31.3175, 33.2276



24.3582, 31.3175, 43.3613

Triad

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



23.7373, 31.3175, 33.2276



32.8455, 31.3175, 53.4502



33.4167, 31.3175, 20.7180

Complementary

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



23.7373, 31.3175, 33.2276



22.6592, 17.8210, 17.8695

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.



35.9210, 31.3175, 26.2603



23.7373, 31.3175, 33.2276



35.5740, 31.3175, 45.1737

Square

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



23.7373, 31.3175, 33.2276



29.4603, 31.3175, 56.2647



36.7385, 31.3175, 34.9864



30.0745, 31.3175, 18.6867

Rectangle

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



23.7373, 31.3175, 33.2276



25.5738, 31.3175, 49.6792



36.7385, 31.3175, 34.9864



34.3937, 31.3175, 22.1738

Sweetspot

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



23.7382, 31.3188, 33.2283



56.3879, 63.5206, 69.1942



22.3427, 30.9713, 16.3564



12.1754, 13.8103, 15.0387



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.7382, 31.3188, 33.2283



40.0865, 55.3530, 57.7638



22.0795, 25.9594, 38.9703



7.2069, 7.9836, 8.7013



13.1210, 21.5348, 18.8857



0.2917, 0.4589, 0.4813

Inverse Universe

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



22.6592, 17.8210, 17.8695



37.8722, 27.5215, 26.1469



23.7149, 21.1741, 14.3930



7.1367, 7.1111, 7.7061



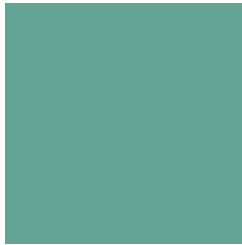
12.0139, 6.1616, 1.9977



0.2689, 0.1360, 0.1286

Previews

White Background



This preview shows how the XYZ color 23.7373, 31.3175, 33.2276 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 23.7373, 31.3175, 33.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

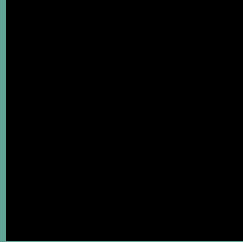
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7373, 31.3175, 33.2276

Background



This preview shows how black text looks on a background with the XYZ color 23.7373, 31.3175, 33.2276.

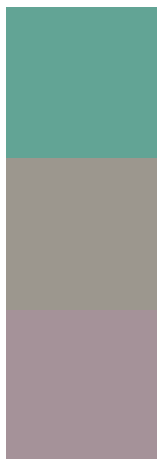


This preview shows how white text looks on a background with the XYZ color 23.7373, 31.3175,

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

23.7373, 31.3175, 33.2276

Protanopia

29.6594, 31.1541, 30.0413

Deuteranopia

31.5457, 30.8570, 34.4304



Tritanopia

25.8226, 31.1018, 44.1774

Trichromacy



Original Color

23.7373, 31.3175, 33.2276

Protanomaly

26.9910, 30.9722, 31.3437

Deuteranomaly

28.0432, 30.7122, 34.1558

Tritanomaly

24.9252, 30.9949, 39.7909

Monochromacy



Original Color

23.7373, 31.3175, 33.2276

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9298, 28.6896, 31.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7373, 31.3175, 33.2276 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(98, 164, 149)` looks like.

```
.text, #text, p{  
    color:rgb(98, 164, 149)  
}
```

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(98, 164, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 164, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.7373, 31.3175, 33.2276 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(98, 164, 149) }
```


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

```
.border{ border-color:rgb(98, 164, 149) }
```

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

Here you see how a box with a 4 pixel rgb(98, 164, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 164, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 164, 149);  
box-shadow:4px 4px 4px 4px rgb(98, 164,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7373, 31.3175, 33.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 164, 149) }
```

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

```
.background{ background-color: rgb(98, 164,  
149) }
```

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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