

Converting Colors

XYZ(23.4324, 31.3649, 31.5578)

Have a look what the booklet for
XYZ(23.4324, 31.3649, 31.5578)
contains.

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Color

**XYZ(23.4957, 31.4960,
31.6290)**

Conversions

Conversions Part 1

Format	Color
Hex	61A591
RGB	97, 165, 145
RGB Percent	38%, 65%, 57%
CMY	0.6196, 0.3529, 0.4314
CMYK	0.41, 0.00, 0.12, 0.35
HSL	162°, 27%, 51%
HSV	162°, 41%, 65%
XYZ	23.4957, 31.4960, 31.6290
YIQ	142.3880, -34.1080, -20.6360

Conversions

Conversions Part 2

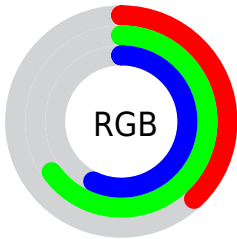
Format	Color
RYB	97, 137, 165
Decimal	6399377
CIELab	62.92, -26.39, 3.62
CIElCh	63, 26.637, 172.189
Yxy	31.4960, 0.2712, 0.3636
Android (android.graphics.Color)	4284589457 (0xFF61A591)
YUV	142.3880, 1.2877, -39.8053
Hunter-Lab	56.1213, -23.4816, 5.8701

Details

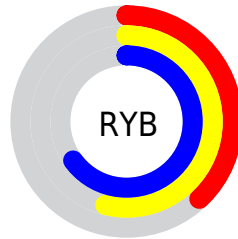
The XYZ color **23.4957, 31.4960, 31.6290** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.0037, 17.8338, 19.0606**, and the grayscale version is **25.8703, 27.2176, 29.6399**.

A 20% lighter version of the original color is **48.6645, 61.8892, 63.4138**, and **9.0094, 13.1720, 12.8941** is the 20% darker color. If you saturate the color by 10%, you get **21.5510, 30.5366, 29.6264**, and if you desaturate by 10%, it is **25.8239, 32.6528, 33.7344**.

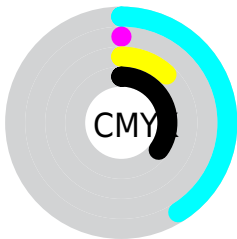
Distribution



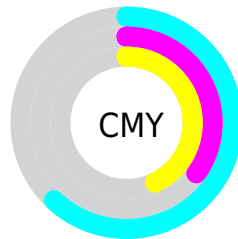
- Red (38%)
- Green (65%)
- Blue (57%)



- Red (38%)
- Yellow (54%)
- Blue (65%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)



- Cyan (62%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4957, 31.4960, 31.6290 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 23.4957, 31.4960, 31.6290 by changing the saturation by 10% instead.

■ 23.4957, 31.4960,
31.6290

■ 23.4957, 31.4960,
31.6290

262.7489,
308.8169, 323.8662

■ 15.0827, 20.9768,
20.8158

■ 48.6667, 62.0201,
63.3202

■ 8.9641, 13.1071,
12.7995

■ 66.1553, 82.7939,
85.0352

■ 4.7747, 7.5023,
7.1615

■ 87.3999, 107.7546,
111.2213

■ 2.1491, 3.7782,
3.4833

■ 112.7658,
137.2868, 142.2970

■ 0.7157, 1.5503,
1.3464

142.6182,
171.7746, 178.6808

■ 0.0000, 0.3237,
0.0994

177.3227,

■ 0.0000, 0.0000,

211.6027, 220.7912

0.0000

217.2445,
257.1553, 269.0468

■ 23.4957, 31.4960,
31.6290

■ 23.4957, 31.4960,
31.6290

■ 21.5510, 30.5366,
29.6264

■ 25.8239, 32.6528,
33.7344

■ 19.9641, 29.7590,
27.7223

■ 28.5539, 34.0142,
35.9424

■ 18.7102, 29.1513,
25.9152

■ 31.7062, 35.5913,
38.2556

■ 17.7601, 28.6985,
24.2027

■ 35.2990, 37.3936,
40.6759

■ 17.0796, 28.3828,
22.5820

■ 39.3493, 39.4299,
43.2051

■ 16.6355, 28.1833,
21.2295

■ 43.8735, 41.7084,
45.8448

■ 48.8868, 44.2371,
48.5966

■ 54.4039, 47.0236,
51.4623

■ 60.4390, 50.0751,
54.4433

Harmonies

Analogous

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



24.7170, 31.4960, 23.3697



23.4957, 31.4960, 31.6290



23.8854, 31.4960, 42.4758

Triad

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



23.4957, 31.4960, 31.6290



32.6711, 31.4960, 56.5257



34.4573, 31.4960, 20.7168

Complementary

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



23.4957, 31.4960, 31.6290



23.0037, 17.8338, 19.0606

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.



36.9307, 31.4960, 27.2363



23.4957, 31.4960, 31.6290



35.8423, 31.4960, 48.1811

Square

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



23.4957, 31.4960, 31.6290



28.9905, 31.4960, 58.3657



37.4572, 31.4960, 37.1042



30.9019, 31.4960, 17.9608

Rectangle

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



23.4957, 31.4960, 31.6290



25.0222, 31.4960, 49.6748



37.4572, 31.4960, 37.1042



35.4544, 31.4960, 22.4688

Sweetspot

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



23.4966, 31.4973, 31.6297



56.1771, 63.4363, 68.0842



23.0037, 31.5843, 16.1937



12.1250, 13.7901, 14.7731



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.



23.4966, 31.4973, 31.6297



39.0151, 54.8936, 53.5179



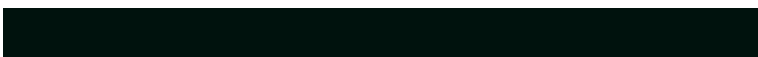
22.8533, 27.5213, 39.7065



7.1869, 7.9756, 8.5960



12.6069, 21.3291, 16.1785



0.2840, 0.4558, 0.4404

Inverse Universe

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



23.0037, 17.8338, 19.0606



38.0265, 27.2121, 28.1034



23.3166, 20.1450, 13.9691



7.1555, 7.1187, 7.8053



12.1704, 6.2242, 2.8218



0.2754, 0.1387, 0.1630

Previews

White Background



This preview shows how the XYZ color 23.4957, 31.4960, 31.6290 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 23.4957, 31.4960, 31.6290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

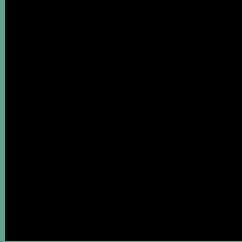
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4957, 31.4960, 31.6290

Background



This preview shows how black text looks on a background with the XYZ color 23.4957, 31.4960, 31.6290.

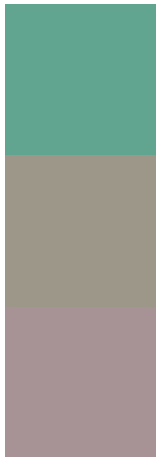


This preview shows how white text looks on a background with the XYZ color 23.4957, 31.4960,

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

23.4957, 31.4960, 31.6290

Protanopia

29.4866, 31.1075, 28.1171

Deuteranopia

31.7949, 31.2529, 32.7904



Tritanopia

26.0938, 31.4888, 44.7471

Trichromacy



Original Color

23.4957, 31.4960, 31.6290

Protanomaly

26.6138, 30.8213, 29.3573

Deuteranomaly

28.0562, 31.0001, 32.5219

Tritanomaly

24.8980, 31.2517, 39.3702

Monochromacy



Original Color

23.4957, 31.4960, 31.6290

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.4685, 28.2315, 30.1462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4957, 31.4960, 31.6290 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(97, 165, 145)` looks like.

```
.text, #text, p{  
    color:rgb(97, 165, 145)  
}
```

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(97, 165, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 165, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.4957, 31.4960, 31.6290 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(97, 165, 145) }
```


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

```
.border{ border-color:rgb(97, 165, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 165, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 165, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 165, 145);  
box-shadow:4px 4px 4px 4px rgb(97, 165,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4957, 31.4960, 31.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 165, 145) }
```

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

```
.background{ background-color: rgb(97, 165,  
145) }
```

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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