

Converting Colors

XYZ(23.6418, 31.3046, 31.5844)

Have a look what the booklet for
XYZ(23.6418, 31.3046, 31.5844)
contains.

XYZ(23.6418, 31.3046, 31.5844)	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(23.6418, 31.3046,
31.5844)**

Conversions

Conversions Part 1

Format	Color
Hex	64A491
RGB	100, 164, 145
RGB Percent	39%, 64%, 57%
CMY	0.6078, 0.3569, 0.4314
CMYK	0.39, 0.00, 0.12, 0.36
HSL	162°, 26%, 52%
HSV	162°, 39%, 64%
XYZ	23.6418, 31.3046, 31.5844
YIQ	142.6980, -32.0450, -19.4770

Conversions

Conversions Part 2

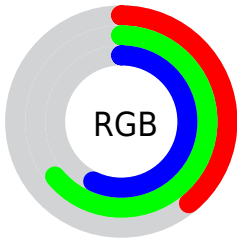
Format	Color
RYB	100, 138, 164
Decimal	6595729
CIELab	62.76, -25.05, 3.41
CIELCh	63, 25.281, 172.257
Yxy	31.3046, 0.2732, 0.3618
Android (android.graphics.Color)	4284785809 (0xFF64A491)
YUV	142.6980, 1.1349, -37.4461
Hunter-Lab	55.9505, -22.4885, 5.6958

Details

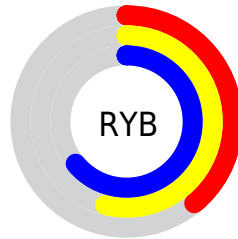
The XYZ color **23.6418, 31.3046, 31.5844** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.1978, 18.3395, 19.7711**, and the grayscale version is **25.9935, 27.3472, 29.7811**.

A 20% lighter version of the original color is **48.7772, 61.5589, 63.3440**, and **9.0787, 13.0429, 12.8655** is the 20% darker color. If you saturate the color by 10%, you get **21.6400, 30.3159, 29.5730**, and if you desaturate by 10%, it is **26.0266, 32.4905, 33.6991**.

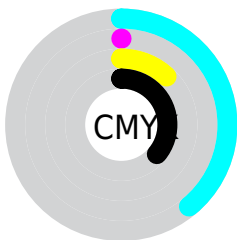
Distribution



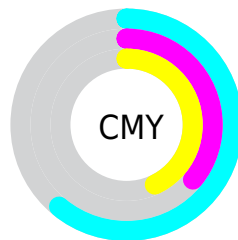
- Red (39%)
- Green (64%)
- Blue (57%)



- Red (39%)
- Yellow (54%)
- Blue (64%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)



- Cyan (61%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6418, 31.3046, 31.5844 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 23.6418, 31.3046, 31.5844 by changing the saturation by 10% instead.

■ 23.6418, 31.3046,
31.5844

■ 23.6418, 31.3046,
31.5844

263.4787,
307.9392, 323.6559

■ 15.1914, 20.8309,
20.7821

■ 48.9040, 61.7193,
63.2493

■ 9.0410, 13.0005,
12.7751

■ 66.4465, 82.4291,
84.9490

■ 4.8253, 7.4289,
7.1450

■ 87.7504, 107.3198,
111.1182

■ 2.1788, 3.7317,
3.4731

■ 113.1811,
136.7756, 142.1754

■ 0.7315, 1.5247,
1.3410

143.1039,
171.1811, 178.5393

■ 0.0000, 0.3060,
0.0950

177.8842,

■ 0.0000, 0.0000,

210.9206, 220.6283

0.0000

217.8874,
256.3785, 268.8610

■ 23.6418, 31.3046,
31.5844

■ 23.6418, 31.3046,
31.5844

■ 21.6400, 30.3159,
29.5730

■ 26.0266, 32.4905,
33.6991

■ 19.9963, 29.5092,
27.6607

■ 28.8123, 33.8804,
35.9169

■ 18.6870, 28.8730,
25.8460


■ 32.0185, 35.4851,
38.2404


■ 17.6843, 28.3931,
24.1265


■ 35.6629, 37.3139,
40.6714


■ 16.9556, 28.0527,
22.4995

■ 39.7623, 39.3752,
43.2118


 16.4360, 27.8184,
20.9610

 44.3324, 41.6772,
45.8631

 16.3885, 27.7971,
20.8152

 49.3882, 44.2276,
48.6271

 54.9440, 47.0338,
51.5053

 61.0136, 50.1028,
54.4992

Harmonies

Analogous

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



24.8014, 31.3046, 23.7103



23.6418, 31.3046, 31.5844



24.0166, 31.3046, 41.8159

Triad

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



23.6418, 31.3046, 31.5844



32.3433, 31.3046, 54.9131



34.0111, 31.3046, 21.1395

Complementary

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



23.6418, 31.3046, 31.5844



23.1978, 18.3395, 19.7711

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.



36.3395, 31.3046, 27.3717



23.6418, 31.3046, 31.5844



35.3258, 31.3046, 47.1162

Square

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



23.6418, 31.3046, 31.5844



28.8675, 31.3046, 56.6415



36.8383, 31.3046, 36.7150



30.6586, 31.3046, 18.4883

Rectangle

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



23.6418, 31.3046, 31.5844



25.1006, 31.3046, 48.5558



36.8383, 31.3046, 36.7150



34.9498, 31.3046, 22.8200

Sweetspot

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



23.6427, 31.3059, 31.5851



56.1685, 63.4328, 68.0387



23.2119, 31.4085, 16.8960



12.1229, 13.7893, 14.7623



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.



23.6427, 31.3059, 31.5851



39.6594, 55.2138, 54.0851



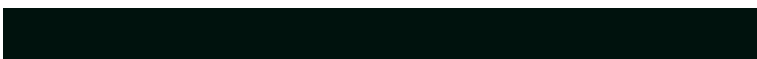
23.0561, 27.5885, 39.2334



7.1861, 7.9752, 8.5916



12.5870, 21.3211, 16.0734



0.2837, 0.4557, 0.4387

Inverse Universe

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



23.1978, 18.3395, 19.7711



38.7435, 28.2500, 29.5629



23.4939, 20.5791, 14.7909



7.1563, 7.1190, 7.8094



12.1777, 6.2271, 2.8605



0.2757, 0.1388, 0.1644

Previews

White Background



This preview shows how the XYZ color 23.6418, 31.3046, 31.5844 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 23.6418, 31.3046, 31.5844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

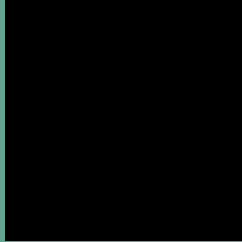
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6418, 31.3046, 31.5844

Background



This preview shows how black text looks on a background with the XYZ color 23.6418, 31.3046, 31.5844.



This preview shows how white text looks on a background with the XYZ color 23.6418, 31.3046,

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

23.6418, 31.3046, 31.5844

Protanopia

29.5587, 31.1363, 28.4968

Deuteranopia

31.4296, 30.8347, 32.7289



Tritanopia

26.1770, 31.2845, 44.1940

Trichromacy



Original Color

23.6418, 31.3046, 31.5844

Protanomaly

26.8495, 30.9343, 29.7551

Deuteranomaly

27.8919, 30.6714, 32.4671

Tritanomaly

25.0646, 31.0771, 39.3278

Monochromacy



Original Color

23.6418, 31.3046, 31.5844

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.8530, 28.6589, 30.6074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6418, 31.3046, 31.5844 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(100, 164, 145)` looks like.

```
.text, #text, p{  
    color:rgb(100, 164, 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(100, 164, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 164, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.6418, 31.3046, 31.5844 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(100, 164, 145) }
```


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

```
.border{ border-color:rgb(100, 164, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 164, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 164, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 164, 145);  
box-shadow:4px 4px 4px 4px rgb(100, 164,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6418, 31.3046, 31.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 164, 145) }
```

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

```
.background{ background-color: rgb(100,  
164, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor