

Converting Colors

XYZ(23.6641, 31.1657, 28.7636)

Have a look what the booklet for
XYZ(23.6641, 31.1657, 28.7636)
contains.

XYZ(23.6285, 31.0935, 28.8011)	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(23.6285, 31.0935,
28.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA38A
RGB	106, 163, 138
RGB Percent	42%, 64%, 54%
CMY	0.5843, 0.3608, 0.4588
CMYK	0.35, 0.00, 0.15, 0.36
HSL	154°, 24%, 53%
HSV	154°, 35%, 64%
XYZ	23.6285, 31.0935, 28.8011
YIQ	143.1070, -25.9470, -19.8590

Conversions

Conversions Part 2

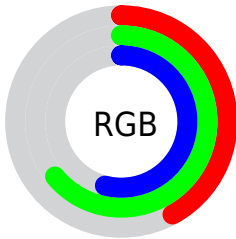
Format	Color
RYB	106, 143, 163
Decimal	6988682
CIELab	62.59, -24.34, 7.11
CIELCh	63, 25.361, 163.721
Yxy	31.0935, 0.2829, 0.3723
Android (android.graphics.Color)	4285178762 (0xFF6AA38A)
YUV	143.1070, -2.5178, -32.5428
Hunter-Lab	55.7615, -21.9448, 8.4095

Details

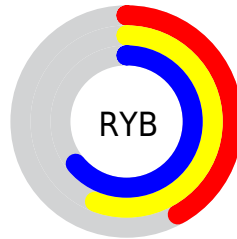
The XYZ color **23.6285, 31.0935, 28.8011** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.3561, 19.7341, 23.9993**, and the grayscale version is **26.1690, 27.5318, 29.9821**.

A 20% lighter version of the original color is **48.7734, 61.2753, 58.5469**, and **9.0214, 12.8857, 11.2442** is the 20% darker color. If you saturate the color by 10%, you get **21.3719, 29.9889, 26.0822**, and if you desaturate by 10%, it is **26.2891, 32.4041, 31.7182**.

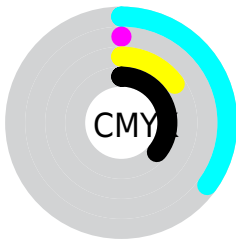
Distribution



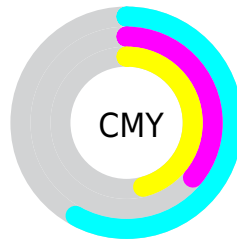
- Red (42%)
- Green (64%)
- Blue (54%)



- Red (42%)
- Yellow (56%)
- Blue (64%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)



- Cyan (58%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6285, 31.0935, 28.8011 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 23.6285, 31.0935, 28.8011 by changing the saturation by 10% instead.

■ 23.6285, 31.0935,
28.8011

■ 23.6285, 31.0935,
28.8011

263.4124,
306.9688, 310.3068

■ 15.1815, 20.6701,
18.6861

■ 48.8824, 61.3872,
58.7993

■ 9.0340, 12.8830,
11.2692

■ 66.4200, 82.0263,
79.5197

■ 4.8207, 7.3481,
6.1318

■ 87.7185, 106.8394,
104.6122

■ 2.1761, 3.6807,
2.8553

■ 113.1433,
136.2109, 134.4955

■ 0.7301, 1.4966,
1.0212

143.0597,
170.5252, 169.5881

■ 0.0000, 0.2863,
0.0000

177.8332,

■ 0.0000, 0.0000,

210.1667, 210.3084

0.0000

217.8289,
255.5198, 257.0752

■ 23.6285, 31.0935,
28.8011

■ 23.6285, 31.0935,
28.8011

■ 21.3719, 29.9889,
26.0822

■ 26.2891, 32.4041,
31.7182

■ 19.4952, 29.0754,
23.5548

■ 29.3711, 33.9271,
34.8356

■ 17.9755, 28.3422,
21.2153

■ 32.8938, 35.6733,
38.1580


■ 16.7863, 27.7756,
19.0586


■ 36.8747, 37.6515,
41.6894


■ 15.8973, 27.3602,
17.0796


■ 41.3302, 39.8701,
45.4337

 15.2707, 27.0765,
15.2728

 46.2759, 42.3371,
49.3945

 15.0080, 26.9596,
14.4254

 51.7267, 45.0603,
53.5755

 57.6969, 48.0467,
57.9801

 64.2001, 51.3035,
62.6119

Harmonies

Analogous

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



25.1989, 31.0935, 21.8908



23.6285, 31.0935, 28.8011



23.5625, 31.0935, 38.5678

Triad

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



23.6285, 31.0935, 28.8011



31.1560, 31.0935, 55.8857



34.6152, 31.0935, 22.3428

Complementary

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



23.6285, 31.0935, 28.8011



24.3561, 19.7341, 23.9993

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.



36.4825, 31.0935, 29.5436



23.6285, 31.0935, 28.8011



34.3828, 31.0935, 49.5375

Square

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



23.6285, 31.0935, 28.8011



27.7314, 31.0935, 55.5794



36.3943, 31.0935, 39.4692



31.4536, 31.0935, 18.6893

Rectangle

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



23.6285, 31.0935, 28.8011



24.3689, 31.0935, 45.5439



36.3943, 31.0935, 39.4692



35.4256, 31.0935, 24.3604

Sweetspot

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



23.6294, 31.0948, 28.8018



55.5168, 62.2035, 65.1855



25.1608, 32.1137, 18.5086



12.2814, 13.8778, 14.4625



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.



23.6294, 31.0948, 28.8018



39.0997, 54.1092, 47.7464



25.1525, 30.9034, 39.2910



7.1442, 7.9585, 8.3713



11.6867, 20.9610, 11.3325



0.2688, 0.4497, 0.3604

Inverse Universe

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



24.3561, 19.7341, 23.9993



40.6025, 30.6504, 37.8407



23.1593, 19.7332, 16.2244



7.1968, 7.1352, 8.0226



12.6572, 6.4189, 5.3855



0.2896, 0.1443, 0.2374

Previews

White Background



This preview shows how the XYZ color 23.6285, 31.0935, 28.8011 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 23.6285, 31.0935, 28.8011 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 23.6285, 31.0935, 28.8011

Background



This preview shows how black text looks on a background with the XYZ color 23.6285, 31.0935, 28.8011.

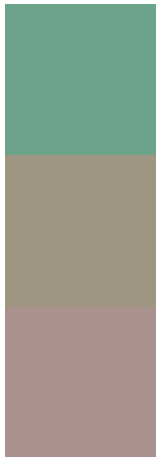


This preview shows how white text looks on a background with the XYZ color 23.6285, 31.0935,

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

23.6285, 31.0935, 28.8011

Protanopia

29.1036, 30.7205, 25.8684

Deuteranopia

31.5236, 30.9458, 29.9028



Tritanopia

26.3876, 30.9047, 43.1025

Trichromacy



Original Color

23.6285, 31.0935, 28.8011

Protanomaly

26.6719, 30.6529, 27.0651

Deuteranomaly

27.8900, 30.4906, 29.6146

Tritanomaly

25.2592, 30.9598, 37.4454

Monochromacy



Original Color

23.6285, 31.0935, 28.8011

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9200, 28.4816, 29.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6285, 31.0935, 28.8011 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, 163, 138)` looks like.

```
.text, #text, p{  
    color:rgb(106, 163, 138)  
}
```

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, 163, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 163, 138) }
```

Border

The CSS property to change the border of an element to XYZ 23.6285, 31.0935, 28.8011 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, 163, 138) }
```


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

```
.border{ border-color:rgb(106, 163, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 163, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 163, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 163, 138);  
box-shadow:4px 4px 4px 4px rgb(106, 163,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6285, 31.0935, 28.8011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 163, 138) }
```

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

```
.background{ background-color: rgb(106,  
163, 138) }
```

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