

Converting Colors

XYZ(23.2595, 29.6904, 16.0063)

Have a look what the booklet for
XYZ(23.2595, 29.6904, 16.0063)
contains.

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Color

**XYZ(23.1637, 29.5850,
16.0449)**

Conversions

Conversions Part 1

Format	Color
Hex	809D62
RGB	128, 157, 98
RGB Percent	50%, 62%, 38%
CMY	0.4980, 0.3843, 0.6157
CMYK	0.18, 0.00, 0.38, 0.38
HSL	89°, 23%, 50%
HSV	89°, 38%, 62%
XYZ	23.1637, 29.5850, 16.0449
YIQ	141.6030, 1.6550, -24.4970

Conversions

Conversions Part 2

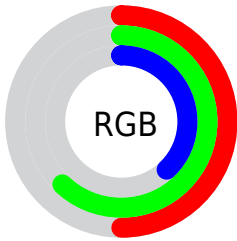
Format	Color
R_{YB}	98, 157, 127
Decimal	8428898
CIE _{Lab}	61.29, -20.85, 27.63
CIE _{LCh}	61, 34.613, 127.042
Yxy	29.5850, 0.3367, 0.4301
Android (android.graphics.Color)	4286618978 (0xFF809D62)
YUV	141.6030, -21.4963, -11.9298
Hunter-Lab	54.3921, -19.1692, 20.5848

Details

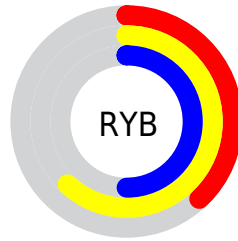
The XYZ color **23.1637, 29.5850, 16.0449** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2071, 15.6825, 33.9146**, and the grayscale version is **25.6367, 26.9718, 29.3723**.

A 20% lighter version of the original color is **48.2597, 59.2020, 37.3173**, and **8.7903, 12.1161, 4.8930** is the 20% darker color. If you saturate the color by 10%, you get **21.3771, 28.7423, 12.4640**, and if you desaturate by 10%, it is **25.1856, 30.5340, 20.3971**.

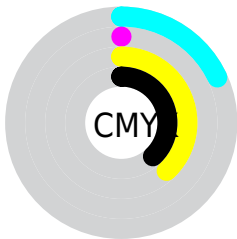
Distribution



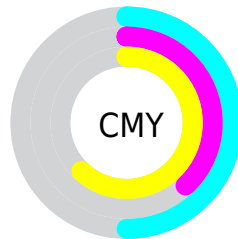
- Red (50%)
- Green (62%)
- Blue (38%)



- Red (38%)
- Yellow (62%)
- Blue (50%)



- Cyan (18%)
- Magenta (0%)
- Yellow (38%)
- Black (38%)



- Cyan (50%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1637, 29.5850, 16.0449 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 23.1637, 29.5850, 16.0449 by changing the saturation by 10% instead.

■ 23.1637, 29.5850,
16.0449

■ 23.1637, 29.5850,
16.0449

261.0843,
299.9652, 241.4613

■ 14.8358, 19.5238,
9.4012

■ 48.1267, 59.0053,
37.4440

■ 8.7898, 12.0494,
4.9034

■ 65.4924, 79.1331,
53.0365

■ 4.6603, 6.7773,
2.1330

■ 86.6015, 103.3853,
72.4491

■ 2.0821, 3.3232,
0.6353

■ 111.8193,
132.1462, 96.1002

■ 0.6794, 1.3027,
0.0000

141.5111,
165.8003, 124.4085

■ 0.0000, 0.1433,
0.0000

176.0423,

■ 0.0000, 0.0000,

204.7319, 157.7924

0.0000

215.7783,
249.3254, 196.6704

■ 23.1637, 29.5850,
16.0449

■ 23.1637, 29.5850,
16.0449

■ 21.3771, 28.7423,
12.4640

■ 25.1856, 30.5340,
20.3971

■ 19.8130, 27.9976,
9.6075

■ 27.4502, 31.5895,
25.5600

■ 18.4607, 27.3473,
7.4261


■ 29.9674, 32.7567,
31.5729


■ 17.3075, 26.7862,
5.8638


■ 32.7459, 34.0392,
38.4716


■ 16.3389, 26.3082,
4.8556


■ 35.7937, 35.4406,
46.2902


 15.5315, 25.9037,
4.2904

 39.1186, 36.9640,
55.0607

 15.3512, 25.8131,
4.1733

 42.7282, 38.6126,
64.8138

 46.6295, 40.3896,
75.5786

 50.8293, 42.2977,
87.3831

Harmonies

Analogous

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



27.0589, 29.5850, 13.1720



23.1637, 29.5850, 16.0449



20.7971, 29.5850, 23.3810

Triad

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



23.1637, 29.5850, 16.0449



24.8378, 29.5850, 61.2924



37.7453, 29.5850, 29.2329

Complementary

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



23.1637, 29.5850, 16.0449



19.2071, 15.6825, 33.9146

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.



36.9861, 29.5850, 43.0288



23.1637, 29.5850, 16.0449



29.2078, 29.5850, 64.0963

Square

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



23.1637, 29.5850, 16.0449



21.6882, 29.5850, 49.8221



33.7364, 29.5850, 56.6880



35.7113, 29.5850, 19.3353

Rectangle

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



23.1637, 29.5850, 16.0449



20.2439, 29.5850, 30.9350



33.7364, 29.5850, 56.6880



37.8116, 29.5850, 33.5258

Sweetspot

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



23.1644, 29.5863, 16.0455



51.9754, 57.8784, 52.4502



23.6375, 23.1052, 14.7696



11.3132, 12.6784, 11.2450



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.1644, 29.5863, 16.0455



38.8018, 51.7181, 23.3252



19.4062, 27.6489, 15.8697



6.8561, 7.5585, 7.0832



12.5103, 20.9860, 3.3913



0.2725, 0.4004, 0.0629

Inverse Universe

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



19.2071, 15.6825, 33.9146



30.6836, 23.1930, 59.9862



24.1682, 18.2401, 34.1468



6.5796, 6.5873, 8.3314



7.4827, 3.2865, 26.1472



0.1825, 0.0839, 0.4698

Previews

White Background



This preview shows how the XYZ color 23.1637, 29.5850, 16.0449 looks on a white background.

Color Contrast Check

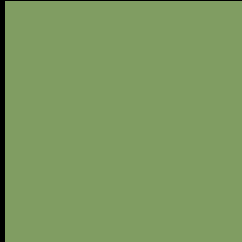
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1637, 29.5850, 16.0449 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 23.1637, 29.5850, 16.0449

Background



This preview shows how black text looks on a background with the XYZ color 23.1637, 29.5850, 16.0449.



This preview shows how white text looks on a background with the XYZ color 23.1637, 29.5850,

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

23.1637, 29.5850, 16.0449

Protanopia

27.3082, 29.5650, 14.8570

Deuteranopia

29.8276, 29.2392, 16.6420



Tritanopia

27.4970, 29.3865, 37.9411

Trichromacy



Original Color

23.1637, 29.5850, 16.0449

Protanomaly

25.5266, 29.3490, 15.1460

Deuteranomaly

27.0808, 29.1780, 16.5165

Tritanomaly

25.6472, 29.3598, 28.3600

Monochromacy



Original Color

23.1637, 29.5850, 16.0449

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.5161, 27.6922, 23.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1637, 29.5850, 16.0449 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(128, 157, 98)` looks like.

```
.text, #text, p{  
    color:rgb(128, 157, 98)  
}
```

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(128, 157, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.1637, 29.5850, 16.0449 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(128, 157, 98) }
```


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

```
.border{ border-color:rgb(128, 157, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 157, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 157, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 157, 98);  
box-shadow:4px 4px 4px 4px rgb(128, 157,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1637, 29.5850, 16.0449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 157, 98) }
```

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

```
.background{ background-color: rgb(128,  
157, 98) }
```

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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