

Converting Colors

XYZ(23.3295, 31.4259, 16.1040)

Have a look what the booklet for
XYZ(23.3295, 31.4259, 16.1040)
contains.

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Color

**XYZ(23.3183, 31.4789,
16.1563)**

Conversions

Conversions Part 1

Format	Color
Hex	79A461
RGB	121, 164, 97
RGB Percent	47%, 64%, 38%
CMY	0.5255, 0.3568, 0.6196
CMYK	0.26, 0.00, 0.41, 0.36
HSL	99°, 27%, 51%
HSV	99°, 41%, 64%
XYZ	23.3183, 31.4789, 16.1563
YIQ	143.5050, -4.1210, -29.9530

Conversions

Conversions Part 2

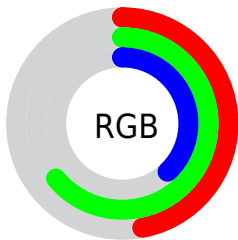
Format	Color
RYB	97, 164, 140
Decimal	7971937
CIELab	62.91, -27.12, 30.17
CIELCh	63, 40.567, 131.954
Yxy	31.4789, 0.3286, 0.4437
Android (android.graphics.Color)	4286162017 (0xFF79A461)
YUV	143.5050, -22.9270, -19.7369
Hunter-Lab	56.1061, -23.9990, 22.2011

Details

The XYZ color **23.3183, 31.4789, 16.1563** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7920, 16.8061, 37.2189**, and the grayscale version is **26.4013, 27.7762, 30.2483**.

A 20% lighter version of the original color is **48.3560, 61.9151, 37.4192**, and **8.8743, 13.1122, 4.9689** is the 20% darker color. If you saturate the color by 10%, you get **21.2360, 30.4858, 12.4716**, and if you desaturate by 10%, it is **25.7213, 32.6210, 20.6826**.

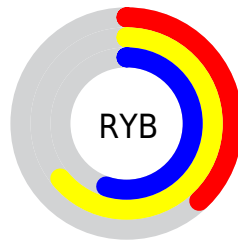
Distribution



Red (47%)

Green (64%)

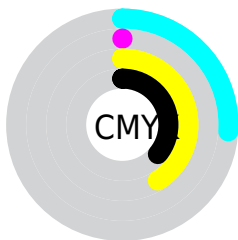
Blue (38%)



Red (38%)

Yellow (64%)

Blue (55%)

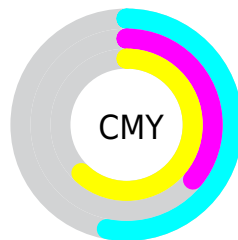


Cyan (26%)

Magenta (0%)

Yellow (41%)

Black (36%)



Cyan (53%)

Magenta (36%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3183, 31.4789, 16.1563 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 23.3183, 31.4789, 16.1563 by changing the saturation by 10% instead.

■ 23.3183, 31.4789,
16.1563

■ 23.3183, 31.4789,
16.1563

261.8606,
308.7386, 242.1394

■ 14.9507, 20.9638,
9.4793

■ 48.3783, 61.9933,
37.6399

■ 8.8709, 13.0975,
4.9540

■ 65.8013, 82.7613,
53.2835

■ 4.7135, 7.4957,
2.1620

■ 86.9736, 107.7158,
72.7531

■ 2.1132, 3.7740,
0.6523

■ 112.2605,
137.2411, 96.4672

■ 0.6964, 1.5480,
0.0000

142.0272,
171.7217, 124.8444

■ 0.0000, 0.3221,
0.0000

176.6393,

■ 0.0000, 0.0000,

211.5418, 158.3031

0.0000

216.4619,
257.0860, 197.2619

■ 23.3183, 31.4789,
16.1563

■ 23.3183, 31.4789,
16.1563

■ 21.2360, 30.4858,
12.4716

■ 25.7213, 32.6210,
20.6826

■ 19.4571, 29.6310,
9.5744

■ 28.4565, 33.9140,
26.0959

■ 17.9660, 28.9087,
7.4078


■ 31.5377, 35.3652,
32.4409


■ 16.7446, 28.3110,
5.9062


■ 34.9772, 36.9799,
39.7586


■ 15.7721, 27.8290,
4.9922


■ 38.7866, 38.7633,
48.0876

 15.0645, 27.4741,
4.5091

 42.9769, 40.7203,
57.4643

 47.5589, 42.8557,
67.9234

 52.5427, 45.1739,
79.4980

 57.9380, 47.6792,
92.2198

Harmonies

Analogous

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



27.7568, 31.4789, 12.1792



23.3183, 31.4789, 16.1563



20.8516, 31.4789, 25.6275

Triad

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



23.3183, 31.4789, 16.1563



26.7244, 31.4789, 72.4723



41.6627, 31.4789, 28.3090

Complementary

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



23.3183, 31.4789, 16.1563



21.7920, 16.8061, 37.2189

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.



41.2965, 31.4789, 44.6775



23.3183, 31.4789, 16.1563



32.1923, 31.4789, 73.8706

Square

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



23.3183, 31.4789, 16.1563



22.6435, 31.4789, 59.1294



37.6625, 31.4789, 62.5063



38.6083, 31.4789, 17.5925

Rectangle

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



23.3183, 31.4789, 16.1563



20.4451, 31.4789, 35.3310



37.6625, 31.4789, 62.5063



41.9451, 31.4789, 33.2406

Sweetspot

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



23.3191, 31.4803, 16.1570



56.4383, 63.8121, 57.2001



26.7642, 27.3478, 15.1778



12.1852, 13.8785, 12.1861



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.



23.3191, 31.4803, 16.1570



38.8738, 55.4917, 23.1985



20.8042, 30.1329, 18.3378



7.2139, 8.0127, 7.5465



11.5983, 21.0896, 3.4594



0.2939, 0.4690, 0.0750

Inverse Universe

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



21.7920, 16.8061, 37.2189



35.6995, 25.1552, 66.7262



25.5077, 18.8115, 33.3277



7.1170, 7.0747, 8.8935



9.6813, 4.3974, 27.2683



0.2521, 0.1175, 0.5752

Previews

White Background



This preview shows how the XYZ color 23.3183, 31.4789, 16.1563 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 23.3183, 31.4789, 16.1563 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 23.3183, 31.4789, 16.1563

Background



This preview shows how black text looks on a background with the XYZ color 23.3183, 31.4789, 16.1563.



This preview shows how white text looks on a background with the XYZ color 23.3183, 31.4789,

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

23.3183, 31.4789, 16.1563

Protanopia

28.8859, 31.3362, 14.6513

Deuteranopia

31.7658, 31.1355, 16.6474



Tritanopia

28.4721, 31.5096, 41.6271

Trichromacy



Original Color

23.3183, 31.4789, 16.1563

Protanomaly

26.4865, 31.0691, 15.1906

Deuteranomaly

28.0257, 30.8502, 16.5342

Tritanomaly

26.1827, 31.3385, 30.2601

Monochromacy



Original Color

23.3183, 31.4789, 16.1563

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.0507, 28.8998, 24.3366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3183, 31.4789, 16.1563 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(121, 164, 97)` looks like.

```
.text, #text, p{  
    color:rgb(121, 164, 97)  
}
```

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(121, 164, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 164, 97) }
```

Border

The CSS property to change the border of an element to XYZ 23.3183, 31.4789, 16.1563 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(121, 164, 97) }
```


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

```
.border{ border-color:rgb(121, 164, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 164, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 164, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 164, 97);  
box-shadow:4px 4px 4px 4px rgb(121, 164,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3183, 31.4789, 16.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 164, 97) }
```

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

```
.background{ background-color: rgb(121,  
164, 97) }
```

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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