

Converting Colors

XYZ(23.0463, 31.6415, 14.5656)

Have a look what the booklet for
XYZ(23.0463, 31.6415, 14.5656)
contains.

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Color

**XYZ(23.0463, 31.6415,
14.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	78A55A
RGB	120, 165, 90
RGB Percent	47%, 65%, 35%
CMY	0.5294, 0.3529, 0.6471
CMYK	0.27, 0.00, 0.45, 0.35
HSL	96°, 29%, 50%
HSV	96°, 45%, 65%
XYZ	23.0463, 31.6415, 14.5656
YIQ	142.9950, -2.7450, -32.8650

Conversions

Conversions Part 2

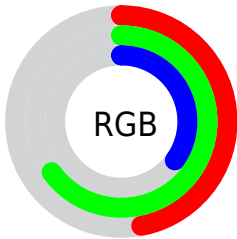
Format	Color
RYB	90, 165, 135
Decimal	7906650
CIELab	63.05, -28.93, 34.00
CIELCh	63, 44.639, 130.392
Yxy	31.6415, 0.3328, 0.4569
Android (android.graphics.Color)	4286096730 (0xFF78A55A)
YUV	142.9950, -26.1265, -20.1666
Hunter-Lab	56.2508, -25.3063, 24.0230

Details

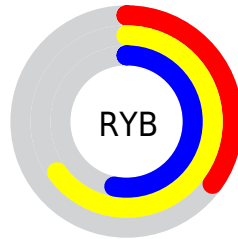
The XYZ color **23.0463, 31.6415, 14.5656** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.4408, 15.1808, 37.4519**, and the grayscale version is **26.2089, 27.5738, 30.0279**.

A 20% lighter version of the original color is **47.8565, 62.1082, 34.6651**, and **8.7773, 13.2426, 4.2840** is the 20% darker color. If you saturate the color by 10%, you get **21.1179, 30.7207, 11.2075**, and if you desaturate by 10%, it is **25.2742, 32.7007, 18.7528**.

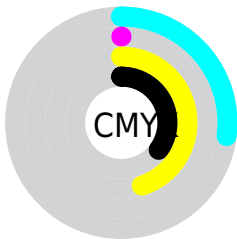
Distribution



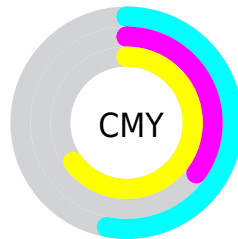
- Red (47%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (53%)



- Cyan (27%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)



- Cyan (53%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0463, 31.6415, 14.5656 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 23.0463, 31.6415, 14.5656 by changing the saturation by 10% instead.

■ 23.0463, 31.6415,
14.5656

■ 23.0463, 31.6415,
14.5656

260.4936,
309.4829, 232.2711

■ 14.7486, 21.0878,
8.3719

■ 47.9354, 62.2487,
34.8207

■ 8.7283, 13.1882,
4.2426

■ 65.2576, 83.0709,
49.7192

■ 4.6201, 7.5583,
1.7594

■ 86.3185, 108.0848,
68.3564

■ 2.0586, 3.8136,
0.4010

■ 111.4837,
137.6748, 91.1508

■ 0.6665, 1.5699,
0.0000

141.1185,
172.2252, 118.5209

■ 0.0000, 0.3372,
0.0000

175.5881,

■ 0.0000, 0.0000,

212.1204, 150.8853

0.0000

215.2581,
257.7448, 188.6625

■ 23.0463, 31.6415,
14.5656

■ 23.0463, 31.6415,
14.5656

■ 21.1179, 30.7207,
11.2075

■ 25.2742, 32.7007,
18.7528

■ 19.4719, 29.9277,
8.6214

■ 27.8129, 33.8999,
23.8172

■ 18.0928, 29.2568,
6.7460


■ 30.6758, 35.2462,
29.8057


■ 16.9626, 28.7003,
5.5099


■ 33.8748, 36.7447,
36.7611


■ 16.0586, 28.2486,
4.8215


■ 37.4212, 38.4004,
44.7236

 15.7023, 28.0697,
4.5904

 41.3257, 40.2179,
53.7312

 45.5984, 42.2017,
63.8199

 50.2492, 44.3561,
75.0239

 55.2876, 46.6853,
87.3759

Harmonies

Analogous

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



27.9921, 31.6415, 10.7296



23.0463, 31.6415, 14.5656



20.2569, 31.6415, 24.2944

Triad

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



23.0463, 31.6415, 14.5656



26.2793, 31.6415, 77.1942



43.2638, 31.6415, 28.6995

Complementary

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



23.0463, 31.6415, 14.5656



20.4408, 15.1808, 37.4519

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.



42.6403, 31.6415, 47.1076



23.0463, 31.6415, 14.5656



32.2573, 31.6415, 79.6302

Square

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



23.0463, 31.6415, 14.5656



21.9398, 31.6415, 61.3753



38.4029, 31.6415, 67.2033



40.0056, 31.6415, 16.8416

Rectangle

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



23.0463, 31.6415, 14.5656



19.7349, 31.6415, 34.6842



38.4029, 31.6415, 67.2033



43.5110, 31.6415, 34.2213

Sweetspot

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



23.0471, 31.6429, 14.5663



55.5898, 63.4275, 54.7768



26.0277, 26.0667, 13.3329



11.9091, 13.7520, 11.4544



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.



23.0471, 31.6429, 14.5663



37.6427, 54.9314, 19.7796



19.8536, 29.9578, 16.1685



7.2412, 8.0268, 7.5478



11.9318, 21.2615, 3.4750



0.3032, 0.4738, 0.0755

Inverse Universe

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



20.4408, 15.1808, 37.4519



32.3350, 21.5266, 66.2031



25.3030, 17.7639, 34.2193



7.0889, 7.0602, 8.8922



9.0885, 4.0917, 27.2406



0.2422, 0.1124, 0.5748

Previews

White Background



This preview shows how the XYZ color 23.0463, 31.6415, 14.5656 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 23.0463, 31.6415, 14.5656 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 23.0463, 31.6415, 14.5656

Background



This preview shows how black text looks on a background with the XYZ color 23.0463, 31.6415, 14.5656.



This preview shows how white text looks on a background with the XYZ color 23.0463, 31.6415,

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

23.0463, 31.6415, 14.5656

Protanopia

28.8043, 31.3278, 13.1231

Deuteranopia

31.9581, 31.2674, 15.1773



Tritanopia

28.4721, 31.5096, 41.6271

Trichromacy



Original Color

23.0463, 31.6415, 14.5656

Protanomaly

26.3549, 31.2861, 13.6666

Deuteranomaly

27.9020, 30.8239, 14.8349

Tritanomaly

26.0338, 31.2789, 29.4762

Monochromacy



Original Color

23.0463, 31.6415, 14.5656

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.6964, 28.7394, 23.3144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0463, 31.6415, 14.5656 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(120, 165, 90)` looks like.

```
.text, #text, p{  
    color:rgb(120, 165, 90)  
}
```

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(120, 165, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 165, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.0463, 31.6415, 14.5656 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(120, 165, 90) }
```


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

```
.border{ border-color:rgb(120, 165, 90) }
```

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

Here you see how a box with a 4 pixel rgb(120, 165, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 165, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 165, 90);  
box-shadow:4px 4px 4px 4px rgb(120, 165,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0463, 31.6415, 14.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 165, 90) }
```

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

```
.background{ background-color: rgb(120,  
165, 90) }
```

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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