

Converting Colors

XYZ(15.9031, 23.1410, 16.5195)

Have a look what the booklet for
XYZ(15.9031, 23.1410, 16.5195)
contains.

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Color

**XYZ(15.9515, 23.1993,
16.4691)**

Conversions

Conversions Part 1

Format	Color
Hex	4F9267
RGB	79, 146, 103
RGB Percent	31%, 57%, 40%
CMY	0.6902, 0.4274, 0.5961
CMYK	0.46, 0.00, 0.29, 0.43
HSL	141°, 30%, 44%
HSV	141°, 46%, 57%
XYZ	15.9515, 23.1993, 16.4691
YIQ	121.0650, -26.1290, -27.5770

Conversions

Conversions Part 2

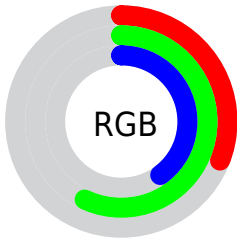
Format	Color
R_{YB}	79, 128, 146
Decimal	5214823
CIE _{Lab}	55.28, -31.43, 16.33
CIE _{LCh}	55, 35.420, 152.546
Yxy	23.1993, 0.2868, 0.4171
Android (android.graphics.Color)	4283404903 (0xFF4F9267)
YUV	121.0650, -8.9060, -36.8910
Hunter-Lab	48.1657, -25.1743, 13.4431

Details

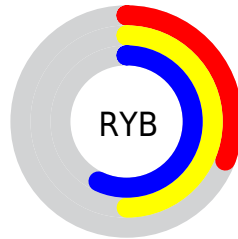
The XYZ color **15.9515, 23.1993, 16.4691** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1637, 13.1086, 19.9861**, and the grayscale version is **18.2294, 19.1787, 20.8856**.

A 20% lighter version of the original color is **36.0027, 48.5472, 38.0448**, and **5.2069, 8.6766, 5.1417** is the 20% darker color. If you saturate the color by 10%, you get **14.4237, 22.4637, 14.0787**, and if you desaturate by 10%, it is **17.8000, 24.0955, 19.1507**.

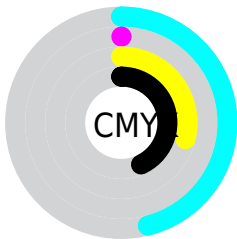
Distribution



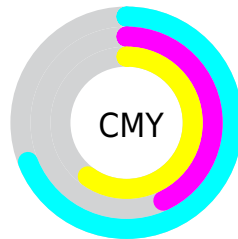
- Red (31%)
- Green (57%)
- Blue (40%)



- Red (31%)
- Yellow (50%)
- Blue (57%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9515, 23.1993, 16.4691 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 15.9515, 23.1993, 16.4691 by changing the saturation by 10% instead.

■ 15.9515, 23.1993,
16.4691

■ 15.9515, 23.1993,
16.4691

222.3314,
268.7470, 244.0336

■ 9.5805, 14.7407,
9.6988

■ 36.0721, 48.7204,
38.1887

■ 5.1818, 8.6376,
5.0967

■ 50.5524, 66.5517,
53.9751

■ 2.3902, 4.5056,
2.2444

■ 68.4665, 88.2760,
73.6040

■ 0.8402, 1.9602,
0.6998

■ 90.1797, 114.2778,
97.4938

■ 0.0000, 0.5842,
0.0000

■ 116.0575,
144.9413, 126.0631

■ 0.0000, 0.0000,
0.0000

146.4651,

180.6512, 159.7305

181.7680,
221.7916, 198.9145

■ 15.9515, 23.1993,
16.4691

■ 15.9515, 23.1993,
16.4691

■ 14.4237, 22.4637,
14.0787

■ 17.8000, 24.0955,
19.1507

■ 13.1954, 21.8759,
11.9681

■ 19.9851, 25.1582,
22.1314

■ 12.2455, 21.4260,
10.1271


■ 22.5238, 26.3968,
25.4207


■ 11.5494, 21.1014,
8.5446


■ 25.4313, 27.8188,
29.0273


■ 11.0719, 20.8843,
7.2081


■ 28.7219, 29.4316,
32.9594

 10.9059, 20.8093,
6.7260

 32.4094, 31.2419,
37.2250

 36.5064, 33.2563,
41.8318

 41.0255, 35.4810,
46.7872

 45.9783, 37.9218,
52.0984

Harmonies

Analogous

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



18.1967, 23.1993, 10.9596



15.9515, 23.1993, 16.4691



15.2752, 23.1993, 26.2426

Triad

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



15.9515, 23.1993, 16.4691



22.3907, 23.1993, 53.9656



29.1240, 23.1993, 15.2378

Complementary

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



15.9515, 23.1993, 16.4691



18.1637, 13.1086, 19.9861

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.



30.5803, 23.1993, 24.3024



15.9515, 23.1993, 16.4691



26.4127, 23.1993, 48.5071

Square

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



15.9515, 23.1993, 16.4691



18.7177, 23.1993, 50.0212



29.5337, 23.1993, 36.7273



25.7565, 23.1993, 10.4130

Rectangle

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



15.9515, 23.1993, 16.4691



15.7301, 23.1993, 34.5940



29.5337, 23.1993, 36.7273



29.8704, 23.1993, 17.7771

Sweetspot

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



15.9521, 23.2003, 16.4696



40.5127, 46.9460, 45.8277



19.7951, 25.3012, 11.2377



8.8037, 10.3416, 9.9311



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.9521, 23.2003, 16.4696



25.3902, 39.6010, 24.7475



17.9444, 23.9972, 26.9610



5.8103, 6.5007, 6.6120



9.6067, 18.3155, 5.9707



0.1307, 0.2294, 0.1423

Inverse Universe

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



18.1637, 13.1086, 19.9861



29.7823, 19.5155, 31.6990



16.4560, 12.4255, 10.9936



5.9480, 5.8743, 6.8324



12.2087, 6.0885, 9.8461



0.1635, 0.0802, 0.1948

Previews

White Background



This preview shows how the XYZ color 15.9515, 23.1993, 16.4691 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 15.9515, 23.1993, 16.4691 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 15.9515, 23.1993, 16.4691

Background



This preview shows how black text looks on a background with the XYZ color 15.9515, 23.1993, 16.4691.



This preview shows how white text looks on a background with the XYZ color 15.9515, 23.1993,

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

15.9515, 23.1993, 16.4691

Protanopia

21.3934, 23.0283, 14.6266

Deuteranopia

23.3801, 23.0126, 17.1195



Tritanopia

19.2784, 23.2147, 32.7430

Trichromacy



Original Color

15.9515, 23.1993, 16.4691

Protanomaly

18.6690, 22.6437, 15.1911

Deuteranomaly

19.7308, 22.5264, 16.9438

Tritanomaly

17.9066, 23.0935, 26.0680

Monochromacy



Original Color

15.9515, 23.1993, 16.4691

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.9638, 20.2443, 18.9331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9515, 23.1993, 16.4691 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(79, 146, 103)` looks like.

```
.text, #text, p{  
    color:rgb(79, 146, 103)  
}
```

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(79, 146, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 146, 103) }
```

Border

The CSS property to change the border of an element to XYZ 15.9515, 23.1993, 16.4691 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(79, 146, 103) }
```


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

```
.border{ border-color:rgb(79, 146, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 146, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(79, 146,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9515, 23.1993, 16.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 146, 103) }
```

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

```
.background{ background-color: rgb(79, 146,  
103) }
```

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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