

Converting Colors

XYZ(22.9984, 18.3672, 11.2004)

Have a look what the booklet for
XYZ(22.9984, 18.3672, 11.2004)
contains.

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Color

**XYZ(23.0315, 18.4442,
11.1503)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6456
RGB	171, 100, 86
RGB Percent	67%, 39%, 34%
CMY	0.3294, 0.6078, 0.6627
CMYK	0.00, 0.42, 0.50, 0.33
HSL	10°, 34%, 50%
HSV	10°, 50%, 67%
XYZ	23.0315, 18.4442, 11.1503
YIQ	119.6330, 46.8100, 10.6980

Conversions

Conversions Part 2

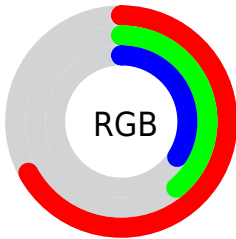
Format	Color
R_{YB}	171, 103, 86
Decimal	11232342
CIE _{Lab}	50.03, 27.11, 20.28
CIE _{LCh}	50, 33.850, 36.797
Yxy	18.4442, 0.4376, 0.3505
Android (android.graphics.Color)	4289422422 (0xFFAB6456)
YUV	119.6330, -16.5811, 45.0489
Hunter-Lab	42.9467, 20.5694, 14.6692

Details

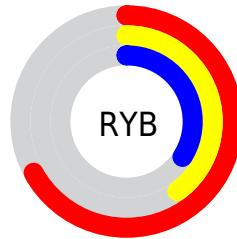
The XYZ color **23.0315, 18.4442, 11.1503** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2447, 29.0312, 42.9064**, and the grayscale version is **17.7767, 18.7025, 20.3670**.

A 20% lighter version of the original color is **47.9853, 40.8921, 28.6564**, and **8.6985, 6.2609, 2.8478** is the 20% darker color. If you saturate the color by 10%, you get **21.1713, 15.6977, 7.5282**, and if you desaturate by 10%, it is **25.2976, 21.7389, 15.7212**.

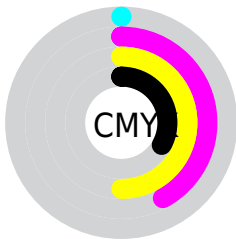
Distribution



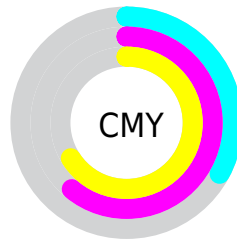
- Red (67%)
- Green (39%)
- Blue (34%)



- Red (67%)
- Yellow (40%)
- Blue (34%)



- Cyan (0%)
- Magenta (42%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (61%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0315, 18.4442, 11.1503 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 23.0315, 18.4442, 11.1503 by changing the saturation by 10% instead.

■ 23.0315, 18.4442,
11.1503

■ 23.0315, 18.4442,
11.1503

260.4191,
243.3630, 209.4701

■ 14.7376, 11.2694,
6.0526

■ 47.9113, 40.7928,
28.5787

■ 8.7205, 6.2483,
2.8078

■ 65.2279, 56.7353,
41.7464

■ 4.6150, 2.9967,
0.9973

■ 86.2828, 76.3692,
58.4411

■ 2.0556, 1.1300,
0.0000

■ 111.4414,
100.0789, 79.0815

■ 0.6649, 0.0034,
0.0000

■ 141.0689,
128.2487, 104.0861

■ 0.0000, 0.0000,
0.0000

175.5308,

161.2631, 133.8734

215.1924,
199.5064, 168.8619

■ 23.0315, 18.4442,
11.1503

■ 23.0315, 18.4442,
11.1503

■ 21.1713, 15.6977,
7.5282

■ 25.2976, 21.7389,
15.7212

■ 19.6912, 13.4667,
4.7868

■ 27.9907, 25.6064,
21.3006

■ 18.5644, 11.7193,
2.8505


■ 31.1319, 30.0735,
27.9442


■ 17.7598, 10.4189,
1.6303

■ 34.7407, 35.1643,
35.7035

■ 17.2267, 9.5179,
0.9436


■ 38.8351, 40.9014,
44.6268

 17.2139, 9.4967,
0.9258

 43.4325, 47.3066,
54.7592

 48.5493, 54.4005,
66.1437

 54.2010, 62.2029,
78.8209

 60.4026, 70.7325,
92.8300

Harmonies

Analogous

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



24.5039, 18.4442, 18.0363



23.0315, 18.4442, 11.1503



20.1123, 18.4442, 7.7076

Triad

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



23.0315, 18.4442, 11.1503



12.3873, 18.4442, 13.8193



18.2814, 18.4442, 43.6386

Complementary

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



23.0315, 18.4442, 11.1503



23.2447, 29.0312, 42.9064

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.



15.1799, 18.4442, 41.4564



23.0315, 18.4442, 11.1503



12.0244, 18.4442, 22.2781

Square

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



23.0315, 18.4442, 11.1503



14.0447, 18.4442, 8.8823



12.9838, 18.4442, 32.8367



21.5504, 18.4442, 38.1135

Rectangle

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



23.0315, 18.4442, 11.1503



17.8825, 18.4442, 6.9813



12.9838, 18.4442, 32.8367



17.1835, 18.4442, 43.8031

Sweetspot

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



23.0320, 18.4451, 11.1506



58.5213, 57.7697, 55.9674



26.3155, 17.7909, 34.5077



12.7616, 12.4749, 11.8614



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.0320, 18.4451, 11.1506



37.5191, 27.5200, 12.7285



28.0361, 28.4534, 12.8187



8.1079, 8.2206, 8.3728



13.0038, 7.2130, 0.7069



0.3932, 0.2637, 0.0302

Inverse Universe

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



23.2447, 29.0312, 42.9064



37.8952, 48.6480, 76.3946



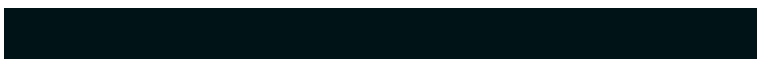
17.4052, 17.3521, 40.9599



8.1223, 8.8440, 10.2317



12.9591, 17.0520, 31.6529



0.3899, 0.5331, 0.8903

Previews

White Background



This preview shows how the XYZ color 23.0315, 18.4442, 11.1503 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 23.0315, 18.4442, 11.1503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

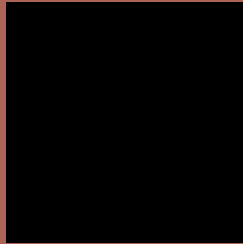
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0315, 18.4442, 11.1503

Background



This preview shows how black text looks on a background with the XYZ color 23.0315, 18.4442, 11.1503.



This preview shows how white text looks on a background with the XYZ color 23.0315, 18.4442,

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

23.0315, 18.4442, 11.1503

Protanopia

17.4148, 18.5319, 13.4856

Deuteranopia

18.7340, 18.4099, 10.7497



Tritanopia

23.7866, 18.3195, 15.3790

Trichromacy



Original Color

23.0315, 18.4442, 11.1503

Protanomaly

19.0536, 18.2007, 12.6341

Deuteranomaly

20.2057, 18.3497, 10.8644

Tritanomaly

23.5386, 18.3691, 13.6142

Monochromacy



Original Color

23.0315, 18.4442, 11.1503

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.2594, 18.3819, 16.7203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0315, 18.4442, 11.1503 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(171, 100, 86)` looks like.

```
.text, #text, p{  
    color:rgb(171, 100, 86)  
}
```

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(171, 100, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 100, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.0315, 18.4442, 11.1503 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(171, 100, 86) }
```


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

```
.border{ border-color:rgb(171, 100, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 100, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 100, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 100, 86);  
box-shadow:4px 4px 4px 4px rgb(171, 100,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0315, 18.4442, 11.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 100, 86) }
```

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

```
.background{ background-color: rgb(171,  
100, 86) }
```

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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