

Converting Colors

XYZ(23.2388, 18.6155, 14.8018)

Have a look what the booklet for
XYZ(23.2388, 18.6155, 14.8018)
contains.

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Color

**XYZ(23.1511, 18.5718,
14.6764)**

Conversions

Conversions Part 1

Format	Color
Hex	A86565
RGB	168, 101, 101
RGB Percent	66%, 40%, 40%
CMY	0.3412, 0.6039, 0.6039
CMYK	0.00, 0.40, 0.40, 0.34
HSL	0°, 28%, 53%
HSV	0°, 40%, 66%
XYZ	23.1511, 18.5718, 14.6764
YIQ	121.0330, 39.9320, 14.2040

Conversions

Conversions Part 2

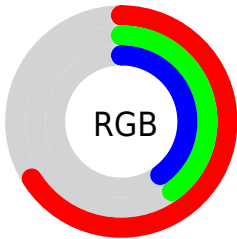
Format	Color
R _Y B	168, 101, 101
Decimal	11036005
CIE Lab	50.18, 26.99, 11.56
CIE LCh	50, 29.362, 23.190
Yxy	18.5718, 0.4105, 0.3293
Android (android.graphics.Color)	4289226085 (0xFFA86565)
YUV	121.0330, -9.8763, 41.1901
Hunter-Lab	43.0950, 20.4758, 9.9748

Details

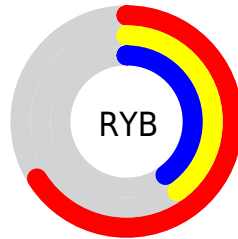
The XYZ color **23.1511, 18.5718, 14.6764** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.4366, 33.5976, 42.1374**, and the grayscale version is **18.2070, 19.1552, 20.8600**.

A 20% lighter version of the original color is **48.1101, 41.0570, 35.0949**, and **8.7490, 6.3233, 4.2494** is the 20% darker color. If you saturate the color by 10%, you get **20.9429, 15.3407, 10.2860**, and if you desaturate by 10%, it is **25.8620, 22.5388, 20.0648**.

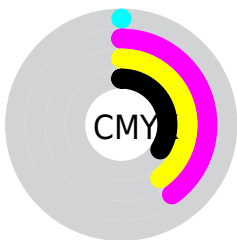
Distribution



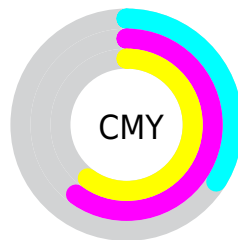
- Red (66%)
- Green (40%)
- Blue (40%)



- Red (66%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (34%)





- Cyan (34%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1511, 18.5718, 14.6764 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 23.1511, 18.5718, 14.6764 by changing the saturation by 10% instead.


 23.1511, 18.5718,
14.6764


 23.1511, 18.5718,
14.6764


261.0210,
244.0745, 232.9720


 14.8264, 11.3613,
8.4485


 48.1061, 41.0093,
35.0187


 8.7832, 6.3104,
4.2914


 65.4672, 57.0050,
49.9702

 4.6560, 3.0347,
1.7865

 86.5712, 76.6980,
68.6667

 2.0795, 1.1499,
0.4190

 111.7833,
100.4725, 91.5266

 0.6781, 0.0202,
0.0000

141.4690,
128.7131, 118.9686

 0.0000, 0.0000,
0.0000

175.9936,

161.8040, 151.4111

215.7225,
200.1297, 189.2727

■ 23.1511, 18.5718,
14.6764

■ 23.1511, 18.5718,
14.6764

■ 20.9429, 15.3407,
10.2860

■ 25.8620, 22.5388,
20.0648

■ 19.2051, 12.7978,
6.8314

■ 29.1022, 27.2802,
26.5063

■ 17.9040, 10.8939,
4.2451


■ 32.8983, 32.8350,
34.0529


■ 17.0009, 9.5723,
2.4499

■ 37.2747, 39.2389,
42.7531


■ 16.4502, 8.7665,
1.3554


■ 42.2543, 46.5254,
52.6525

 16.1518, 8.3298,
0.7623

 47.8588, 54.7262,
63.7942

 16.1486, 8.3251,
0.7558

 54.1087, 63.8715,
76.2191

 61.0238, 73.9901,
89.9663

 68.6227, 85.1094,
105.0732

Harmonies

Analogous

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



23.6360, 18.5718, 22.1296



23.1511, 18.5718, 14.6764



21.1233, 18.5718, 10.1216

Triad

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



23.1511, 18.5718, 14.6764



13.6378, 18.5718, 12.2365



17.0135, 18.5718, 40.0190

Complementary

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



23.1511, 18.5718, 14.6764



26.4366, 33.5976, 42.1374

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.



14.5834, 18.5718, 35.4709



23.1511, 18.5718, 14.6764



12.7741, 18.5718, 18.4264

Square

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



23.1511, 18.5718, 14.6764



15.5914, 18.5718, 8.9990



13.1008, 18.5718, 27.0124



19.8864, 18.5718, 38.2318

Rectangle

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



23.1511, 18.5718, 14.6764



19.2756, 18.5718, 8.6571



13.1008, 18.5718, 27.0124



16.1221, 18.5718, 39.1476

Sweetspot

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



23.1516, 18.5727, 14.6768



57.9944, 57.0898, 58.4055



27.8701, 20.4595, 39.5259



12.4502, 12.1650, 12.3520



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1516, 18.5727, 14.6768



38.3652, 28.3666, 19.3836



27.0919, 26.4533, 15.9902



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



26.4366, 33.5976, 42.1374



45.1780, 59.5264, 76.3337



21.0292, 22.7827, 40.3349



7.7475, 8.5320, 9.6568



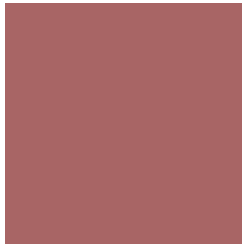
15.9102, 23.2805, 31.6305



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 23.1511, 18.5718, 14.6764 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 23.1511, 18.5718, 14.6764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

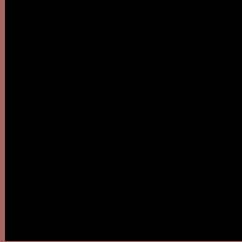
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1511, 18.5718, 14.6764

Background



This preview shows how black text looks on a background with the XYZ color 23.1511, 18.5718, 14.6764.



This preview shows how white text looks on a background with the XYZ color 23.1511, 18.5718,

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

23.1511, 18.5718, 14.6764

Protanopia

17.7235, 18.6045, 17.4088

Deuteranopia

18.9828, 18.6323, 14.1512



Tritanopia

23.5732, 18.6109, 16.2597

Trichromacy



Original Color

23.1511, 18.5718, 14.6764

Protanomaly

19.2632, 18.2253, 16.4125

Deuteranomaly

20.4057, 18.5367, 14.3068

Tritanomaly

23.4692, 18.5693, 15.7119

Monochromacy



Original Color

23.1511, 18.5718, 14.6764

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.5358, 18.6528, 18.4903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1511, 18.5718, 14.6764 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(168, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 101)  
}
```

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(168, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 101) }
```

Border

The CSS property to change the border of an element to XYZ 23.1511, 18.5718, 14.6764 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(168, 101, 101) }
```


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

```
.border{ border-color:rgb(168, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 101, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 101, 101);  
box-shadow:4px 4px 4px 4px rgb(168, 101,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1511, 18.5718, 14.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 101, 101) }
```

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

```
.background{ background-color: rgb(168,  
101, 101) }
```

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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