

Converting Colors

XYZ(18.7558, 22.9112, 11.5366)

Have a look what the booklet for
XYZ(18.7558, 22.9112, 11.5366)
contains.

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Color

**XYZ(18.8182, 23.0124,
11.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8A53
RGB	123, 138, 83
RGB Percent	48%, 54%, 33%
CMY	0.5176, 0.4588, 0.6745
CMYK	0.11, 0.00, 0.40, 0.46
HSL	76°, 25%, 43%
HSV	76°, 40%, 54%
XYZ	18.8182, 23.0124, 11.6336
YIQ	127.2450, 8.7150, -20.2850

Conversions

Conversions Part 2

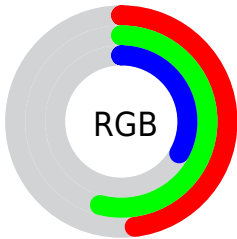
Format	Color
R_{YB}	83, 138, 98
Decimal	8096339
CIE Lab	55.09, -14.98, 27.66
CIE LCh	55, 31.455, 118.446
Yxy	23.0124, 0.3520, 0.4304
Android (android.graphics.Color)	4286286419 (0xFF7B8A53)
YUV	127.2450, -21.8128, -3.7229
Hunter-Lab	47.9712, -13.9275, 19.2013

Details

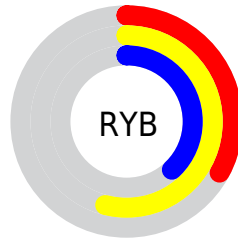
The XYZ color **18.8182, 23.0124, 11.6336** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7185, 10.6187, 25.4253**, and the grayscale version is **20.3281, 21.3868, 23.2902**.

A 20% lighter version of the original color is **40.7689, 48.1852, 29.3422**, and **6.5558, 8.5233, 2.9687** is the 20% darker color. If you saturate the color by 10%, you get **17.8096, 22.5487, 9.0767**, and if you desaturate by 10%, it is **19.9548, 23.5312, 14.7511**.

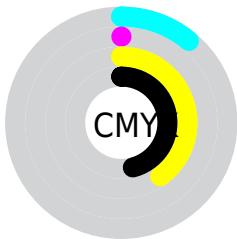
Distribution



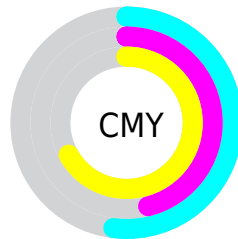
- Red (48%)
- Green (54%)
- Blue (33%)



- Red (33%)
- Yellow (54%)
- Blue (38%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)



- Cyan (52%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8182, 23.0124, 11.6336 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 18.8182, 23.0124, 11.6336 by changing the saturation by 10% instead.

■ 18.8182, 23.0124,
11.6336

■ 18.8182, 23.0124,
11.6336

238.4007,
267.7887, 212.8554

■ 11.6422, 14.6027,
6.3752

■ 40.9459, 48.4137,
29.4803

■ 6.5710, 8.5410,
3.0021

■ 56.6284, 66.1740,
42.9058

■ 3.2392, 4.4430,
1.0957

■ 75.8770, 87.8200,
59.8907

■ 1.2815, 1.9243,
0.0000

■ 99.0572, 113.7361,
80.8535

■ 0.1693, 0.5630,
0.0000

■ 126.5343,
144.3066, 106.2129

■ 0.0000, 0.0000,
0.0000

158.6737,

179.9159, 136.3873

195.8407,
220.9485, 171.7953

■ 18.8182, 23.0124,
11.6336

■ 18.8182, 23.0124,
11.6336

■ 17.8096, 22.5487,
9.0767

■ 19.9548, 23.5312,
14.7511

■ 16.9206, 22.1345,
7.0456

■ 21.2236, 24.1046,
18.4584

■ 16.1447, 21.7678,
5.5039


■ 22.6309, 24.7358,
22.7842


■ 15.4736, 21.4454,
4.4099


■ 24.1819, 25.4269,
27.7552


■ 14.8979, 21.1634,
3.7152


■ 25.8815, 26.1800,
33.3962


 14.3915, 20.9113,
3.2835

 27.7345, 26.9970,
39.7311

 14.3844, 20.9078,
3.2775

 29.7453, 27.8796,
46.7822

 31.9183, 28.8297,
54.5711

 34.2575, 29.8488,
63.1184

Harmonies

Analogous

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



22.0557, 23.0124, 10.2960



18.8182, 23.0124, 11.6336



16.6198, 23.0124, 16.2562

Triad

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



18.8182, 23.0124, 11.6336



18.5335, 23.0124, 45.3541



29.3211, 23.0124, 25.5833

Complementary

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



18.8182, 23.0124, 11.6336



12.7185, 10.6187, 25.4253

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.



28.1298, 23.0124, 36.5687



18.8182, 23.0124, 11.6336



21.6905, 23.0124, 49.7125

Square

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



18.8182, 23.0124, 11.6336



16.4682, 23.0124, 35.4154



25.2408, 23.0124, 46.1354



28.3463, 23.0124, 16.9446

Rectangle

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



18.8182, 23.0124, 11.6336



15.9143, 23.0124, 21.3879



25.2408, 23.0124, 46.1354



29.1585, 23.0124, 29.1225

Sweetspot

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



18.8188, 23.0134, 11.6341



39.2706, 43.3224, 38.2264



16.3799, 14.7016, 10.1583



8.7473, 9.6897, 8.3852



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8188, 23.0134, 11.6341



31.5303, 39.8086, 16.3362



15.4569, 21.2803, 11.4768



5.3003, 5.7775, 5.3882



13.2022, 19.1760, 3.0055



0.1018, 0.1346, 0.0206

Inverse Universe

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



12.7185, 10.6187, 25.4253



19.2126, 14.7577, 44.2191



16.1633, 12.3945, 25.5865



4.8944, 4.9540, 6.3041



4.9395, 2.0605, 22.1831



0.0454, 0.0202, 0.1480

Previews

White Background



This preview shows how the XYZ color 18.8182, 23.0124, 11.6336 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 18.8182, 23.0124, 11.6336 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 18.8182, 23.0124, 11.6336

Background



This preview shows how black text looks on a background with the XYZ color 18.8182, 23.0124, 11.6336.



This preview shows how white text looks on a background with the XYZ color 18.8182, 23.0124,

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

18.8182, 23.0124, 11.6336

Protanopia

21.2381, 23.0259, 11.1097

Deuteranopia

23.2411, 22.8627, 11.9921



Tritanopia

22.2841, 22.9810, 28.4606

Trichromacy



Original Color

18.8182, 23.0124, 11.6336

Protanomaly

20.2014, 22.8936, 11.3368

Deuteranomaly

21.2994, 22.6409, 11.8419

Tritanomaly

20.8173, 22.9955, 21.1107

Monochromacy



Original Color

18.8182, 23.0124, 11.6336

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.5897, 21.8159, 18.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8182, 23.0124, 11.6336 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(123, 138, 83)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 83)  
}
```

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(123, 138, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 83) }
```

Border

The CSS property to change the border of an element to XYZ 18.8182, 23.0124, 11.6336 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(123, 138, 83) }
```


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

```
.border{ border-color:rgb(123, 138, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 83);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8182, 23.0124, 11.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 83) }
```

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

```
.background{ background-color: rgb(123,  
138, 83) }
```

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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