

Converting Colors

XYZ(18.1245, 23.5890, 9.8660)

Have a look what the booklet for
XYZ(18.1245, 23.5890, 9.8660)
contains.

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Color

**XYZ(18.0781, 23.5400,
9.8942)**

Conversions

Conversions Part 1

Format	Color
Hex	748E49
RGB	116, 142, 73
RGB Percent	45%, 56%, 29%
CMY	0.5451, 0.4431, 0.7137
CMYK	0.18, 0.00, 0.49, 0.44
HSL	83°, 32%, 42%
HSV	83°, 49%, 56%
XYZ	18.0781, 23.5400, 9.8942
YIQ	126.3600, 6.6530, -26.9710

Conversions

Conversions Part 2

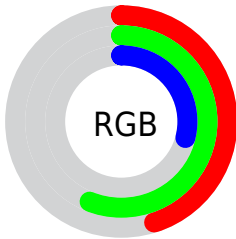
Format	Color
R_{YB}	73, 142, 99
Decimal	7638601
CIE _{Lab}	55.62, -21.18, 33.57
CIE _{LCh}	56, 39.696, 122.244
Yxy	23.5400, 0.3509, 0.4570
Android (android.graphics.Color)	4285828681 (0xFF748E49)
YUV	126.3600, -26.3065, -9.0857
Hunter-Lab	48.5180, -18.3964, 21.8717

Details

The XYZ color **18.0781, 23.5400, 9.8942** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.4115, 9.3713, 26.7471**, and the grayscale version is **20.0397, 21.0833, 22.9597**.

A 20% lighter version of the original color is **39.6773, 49.3449, 26.1722**, and **6.2494, 8.8827, 2.3049** is the 20% darker color. If you saturate the color by 10%, you get **16.9693, 23.0174, 7.6592**, and if you desaturate by 10%, it is **19.3366, 24.1288, 12.6984**.

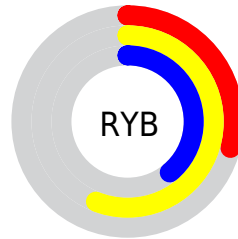
Distribution



Red (45%)

Green (56%)

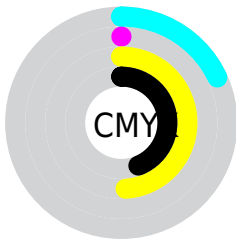
Blue (29%)



Red (29%)

Yellow (56%)

Blue (39%)

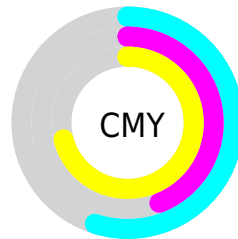


Cyan (18%)

Magenta (0%)

Yellow (49%)

Black (44%)



Cyan (55%)

Magenta (44%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0781, 23.5400, 9.8942 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 18.0781, 23.5400, 9.8942 by changing the saturation by 10% instead.

■ 18.0781, 23.5400,
9.8942

■ 18.0781, 23.5400,
9.8942

234.3480,
270.4865, 200.3726

■ 11.1061, 14.9927,
5.2242

■ 39.6994, 49.2785,
26.2010

■ 6.2061, 8.8143,
2.3184

■ 55.0794, 67.2385,
38.6749

■ 3.0126, 4.6203,
0.7415

■ 73.9928, 89.1049,
54.5871

■ 1.1604, 2.0262,
0.0000

■ 96.8049, 115.2621,
74.3562

■ 0.0748, 0.6226,
0.0000

■ 123.8812,
146.0945, 98.4008

■ 0.0000, 0.0000,
0.0000

155.5868,

181.9864, 127.1394

192.2873,
223.3223, 160.9904

■ 18.0781, 23.5400,
9.8942

■ 18.0781, 23.5400,
9.8942

■ 16.9693, 23.0174,
7.6592

■ 19.3366, 24.1288,
12.6984

■ 16.0003, 22.5547,
5.9528

■ 20.7505, 24.7837,
16.1057

■ 15.1626, 22.1490,
4.7314


■ 22.3270, 25.5086,
20.1490


■ 14.4459, 21.7962,
3.9438


■ 24.0727, 26.3061,
24.8587


■ 13.8277, 21.4873,
3.4761


■ 25.9934, 27.1786,
30.2630

 13.7446, 21.4457,
3.4150

 28.0949, 28.1286,
36.3884

 30.3825, 29.1581,
43.2603

 32.8614, 30.2695,
50.9026

 35.5364, 31.4645,
59.3383

Harmonies

Analogous

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



22.0378, 23.5400, 8.0165



18.0781, 23.5400, 9.8942



15.5726, 23.5400, 15.7572

Triad

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



18.0781, 23.5400, 9.8942



18.5906, 23.5400, 54.3165



32.1535, 23.5400, 24.6754

Complementary

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



18.0781, 23.5400, 9.8942



12.4115, 9.3713, 26.7471

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.



30.9136, 23.5400, 38.9513



18.0781, 23.5400, 9.8942



22.7137, 23.5400, 59.1120

Square

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



18.0781, 23.5400, 9.8942



15.8395, 23.5400, 41.2093



27.3018, 23.5400, 52.7354



30.4963, 23.5400, 14.5761

Rectangle

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



18.0781, 23.5400, 9.8942



14.8657, 23.5400, 22.4379



27.3018, 23.5400, 52.7354



32.0614, 23.5400, 29.1136

Sweetspot

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



18.0787, 23.5410, 9.8947



40.3460, 45.4269, 38.1209



16.7546, 15.0242, 8.3206



8.8879, 10.0897, 8.1853



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.0787, 23.5410, 9.8947



29.8104, 40.5342, 13.2946



14.3734, 21.6309, 9.7213



5.6453, 6.1853, 5.7857



12.3608, 19.2648, 3.0670



0.1427, 0.1968, 0.0305

Inverse Universe

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



12.4115, 9.3713, 26.7471



18.6401, 12.5660, 46.5709



16.9072, 11.6890, 26.9575



5.3097, 5.3478, 6.7811



5.7455, 2.4555, 23.1482



0.0780, 0.0354, 0.2224

Previews

White Background



This preview shows how the XYZ color 18.0781, 23.5400, 9.8942 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 18.0781, 23.5400, 9.8942 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 18.0781, 23.5400, 9.8942

Background



This preview shows how black text looks on a background with the XYZ color 18.0781, 23.5400, 9.8942.



This preview shows how white text looks on a background with the XYZ color 18.0781, 23.5400,

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

18.0781, 23.5400, 9.8942

Protanopia

21.5256, 23.4203, 9.1804

Deuteranopia

23.8292, 23.3959, 10.2811



Tritanopia

22.0934, 23.4545, 30.1508

Trichromacy



Original Color

18.0781, 23.5400, 9.8942

Protanomaly

20.0948, 23.2975, 9.3990

Deuteranomaly

21.2328, 23.0441, 10.1663

Tritanomaly

20.3015, 23.3608, 20.8918

Monochromacy



Original Color

18.0781, 23.5400, 9.8942

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9311, 21.7016, 17.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0781, 23.5400, 9.8942 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(116, 142, 73)` looks like.

```
.text, #text, p{  
    color:rgb(116, 142, 73)  
}
```

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(116, 142, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 142, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.0781, 23.5400, 9.8942 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(116, 142, 73) }
```


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

```
.border{ border-color:rgb(116, 142, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 142, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 142, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 142, 73);  
box-shadow:4px 4px 4px 4px rgb(116, 142,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0781, 23.5400, 9.8942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 142, 73) }
```

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

```
.background{ background-color: rgb(116,  
142, 73) }
```

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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