

Converting Colors

XYZ(18.0927, 23.9810, 24.4498)

Have a look what the booklet for
XYZ(18.0927, 23.9810, 24.4498)
contains.

XYZ(18.0183, 23.8620, 24.4250) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(18.0183, 23.8620,
24.4250)**

Conversions

Conversions Part 1	
Format	Color
Hex	579181
RGB	87, 145, 129
RGB Percent	34%, 57%, 51%
CMY	0.6588, 0.4314, 0.4941
CMYK	0.40, 0.00, 0.11, 0.43
HSL	163°, 25%, 45%
HSV	163°, 40%, 57%
XYZ	18.0183, 23.8620, 24.4250
YIQ	125.8340, -29.4320, -17.2720

Conversions

Conversions Part 2

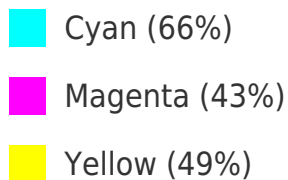
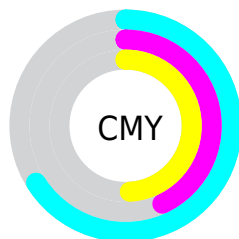
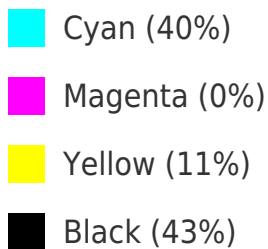
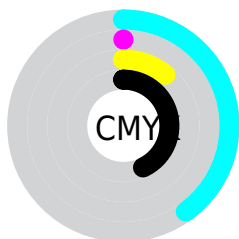
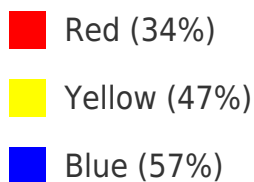
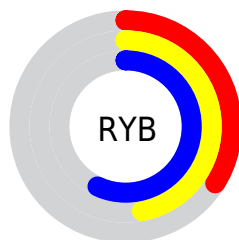
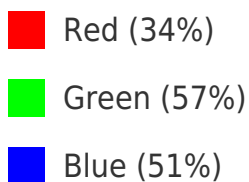
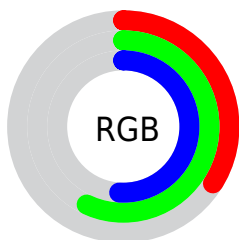
Format	Color
RYB	87, 121, 145
Decimal	5738881
CIELab	55.95, -22.90, 2.53
CIELCh	56, 23.037, 173.698
Yxy	23.8620, 0.2717, 0.3599
Android (android.graphics.Color)	4283928961 (0xFF579181)
YUV	125.8340, 1.5608, -34.0574
Hunter-Lab	48.8487, -19.6440, 4.5484

Details

The XYZ color **18.0183, 23.8620, 24.4250** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5342, 13.8160, 14.5755**, and the grayscale version is **19.7774, 20.8073, 22.6592**.

A 20% lighter version of the original color is **39.5144, 49.7132, 51.7690**, and **6.1782, 8.9597, 8.9932** is the 20% darker color. If you saturate the color by 10%, you get **16.5376, 23.1294, 22.9950**, and if you desaturate by 10%, it is **19.7828, 24.7409, 25.9236**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0183, 23.8620, 24.4250 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 18.0183, 23.8620, 24.4250 by changing the saturation by 10% instead.


 18.0183, 23.8620,
24.4250

 18.0183, 23.8620,
24.4250


234.0178,
272.1221, 288.3176


 11.0629, 15.2313,
15.4341


 39.5983, 49.8049,
51.6754


 6.1768, 8.9819,
8.9746


 54.9537, 67.8859,
70.7719

 2.9945, 4.7294,
4.6280


 73.8397, 89.8858,
94.0740

 1.1509, 2.0894,
1.9758

 96.6218, 116.1889,
122.0002

 0.0670, 0.6586,
0.5404


123.6653,
147.1797, 154.9692


 0.0000, 0.0000,
0.0000


155.3356,


183.2426, 193.3994


191.9979,
224.7619, 237.7093


 18.0183, 23.8620,
24.4250


 18.0183, 23.8620,
24.4250


 16.5376, 23.1294,
22.9950


 19.7828, 24.7409,
25.9236


 15.3220, 22.5317,
21.6307


 21.8441, 25.7710,
27.4906


 14.3541, 22.0605,
20.3311


 24.2169, 26.9605,
29.1277


 13.6131, 21.7051,
19.0946


 26.9144, 28.3161,
30.8362


 13.0750, 21.4532,
17.9194


 29.9489, 29.8441,
32.6171


 12.6755, 21.2715,
16.8019

 33.3322, 31.5507,
34.4717

 12.6755, 21.2715,
16.8019

 37.0753, 33.4415,
36.4009

 41.1889, 35.5221,
38.4058

 45.6832, 37.7975,
40.4875

Harmonies

Analogous

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



18.8459, 23.8620, 18.3197



18.0183, 23.8620, 24.4250



18.3598, 23.8620, 32.2443

Triad

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



18.0183, 23.8620, 24.4250



24.7727, 23.8620, 41.6173



25.8059, 23.8620, 15.9751

Complementary

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



18.0183, 23.8620, 24.4250



17.5342, 13.8160, 14.5755

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.



27.6300, 23.8620, 20.5874



18.0183, 23.8620, 24.4250



27.0020, 23.8620, 35.5279

Square

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



18.0183, 23.8620, 24.4250



22.1299, 23.8620, 43.1879



28.0837, 23.8620, 27.6031



23.2394, 23.8620, 14.0867

Rectangle

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



18.0183, 23.8620, 24.4250



19.2188, 23.8620, 37.3194



28.0837, 23.8620, 27.6031



26.5340, 23.8620, 17.2098

Sweetspot

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



18.0190, 23.8630, 24.4255



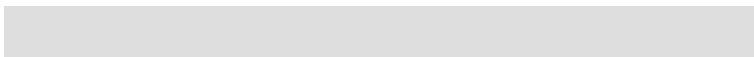
42.3611, 47.7755, 51.4906



17.4898, 23.8492, 12.6987



9.3150, 10.5736, 11.3811



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.



18.0190, 23.8630, 24.4255



29.8583, 41.5397, 41.4297



17.3522, 20.6917, 29.8685



5.4976, 6.0913, 6.5865



10.8831, 18.2491, 14.4704



0.1134, 0.1782, 0.1875

Inverse Universe

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



17.5342, 13.8160, 14.5755



28.8734, 20.9720, 21.3021



17.9138, 15.7399, 11.1111



5.4662, 5.4470, 5.9531



10.3543, 5.2987, 2.2509



0.1073, 0.0540, 0.0654

Previews

White Background



This preview shows how the XYZ color 18.0183, 23.8620, 24.4250 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 18.0183, 23.8620, 24.4250 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 18.0183, 23.8620, 24.4250

Background



This preview shows how black text looks on a background with the XYZ color 18.0183, 23.8620, 24.4250.



This preview shows how white text looks on a background with the XYZ color 18.0183, 23.8620,

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

18.0183, 23.8620, 24.4250

Protanopia

22.3816, 23.5835, 21.7848

Deuteranopia

24.0477, 23.5695, 25.1117



Tritanopia

19.9370, 23.9731, 33.7135

Trichromacy



Original Color
18.0183, 23.8620, 24.4250

Protanomaly
20.2551, 23.2939, 22.8307

Deuteranomaly
21.2182, 23.3266, 24.8569

Tritanomaly
19.1709, 23.8827, 29.9850

Monochromacy



Original Color
18.0183, 23.8620, 24.4250

Achromatopsia
19.8309, 20.8637, 22.7206

Achromatomaly
18.9004, 21.7521, 23.2811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0183, 23.8620, 24.4250 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(87, 145, 129)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 129)  
}
```


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(87, 145, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.0183, 23.8620, 24.4250 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(87, 145, 129) }
```


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

```
.border{ border-color:rgb(87, 145, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 129);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
129) }
```


Background

The CSS property to change the background color of an element to XYZ 18.0183, 23.8620, 24.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 129) }
```

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

```
.background{ background-color: rgb(87, 145,  
129) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor