

Converting Colors

XYZ(18.2400, 22.7199, 23.2312)

Have a look what the booklet for
XYZ(18.2400, 22.7199, 23.2312)
contains.

XYZ(18.1441, 22.6242, 23.1493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1441, 22.6242,
23.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	638B7E
RGB	99, 139, 126
RGB Percent	39%, 55%, 49%
CMY	0.6118, 0.4549, 0.5059
CMYK	0.29, 0.00, 0.09, 0.45
HSL	160°, 17%, 47%
HSV	160°, 29%, 55%
XYZ	18.1441, 22.6242, 23.1493
YIQ	125.5580, -19.6670, -12.5230

Conversions

Conversions Part 2

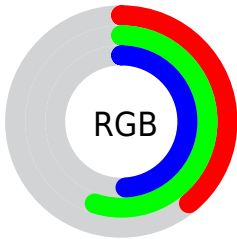
Format	Color
R_{YB}	99, 123, 139
Decimal	6523774
CIE _{Lab}	54.68, -16.77, 2.50
CIE _{LCh}	55, 16.958, 171.525
Y _{xy}	22.6242, 0.2839, 0.3540
Android (android.graphics.Color)	4284713854 (0xFF638B7E)
YUV	125.5580, 0.2179, -23.2914
Hunter-Lab	47.5649, -15.1480, 4.4397

Details

The XYZ color **18.1441, 22.6242, 23.1493** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0347, 15.5831, 17.3874**, and the grayscale version is **19.6858, 20.7110, 22.5543**.

A 20% lighter version of the original color is **39.9691, 47.9739, 49.8011**, and **6.2273, 8.3587, 8.3064** is the 20% darker color. If you saturate the color by 10%, you get **16.4694, 21.7944, 21.5836**, and if you desaturate by 10%, it is **20.0946, 23.5959, 24.7976**.

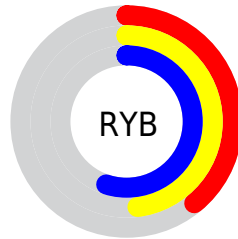
Distribution



Red (39%)

Green (55%)

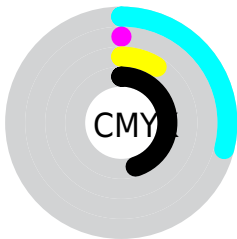
Blue (49%)



Red (39%)

Yellow (48%)

Blue (55%)

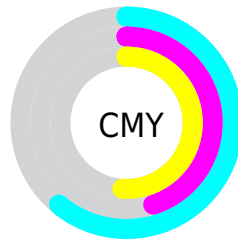


Cyan (29%)

Magenta (0%)

Yellow (9%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1441, 22.6242, 23.1493 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 18.1441, 22.6242, 23.1493 by changing the saturation by 10% instead.

■ 18.1441, 22.6242,
23.1493

■ 18.1441, 22.6242,
23.1493

234.7119,
265.7889, 281.6376

■ 11.1538, 14.3163,
14.4975

■ 39.8109, 47.7755,
49.5647

■ 6.2384, 8.3410,
8.3248

■ 55.2181, 65.3877,
68.1653

■ 3.0326, 4.3139,
4.2127

■ 74.1616, 86.8701,
90.9192

■ 1.1710, 1.8507,
1.7428

■ 97.0068, 112.6071,
118.2450

■ 0.0833, 0.5185,
0.3898

124.1191,
142.9830, 150.5612

■ 0.0000, 0.0000,
0.0000

155.8638,

178.3824, 188.2863

192.6063,
219.1896, 231.8390

■ 18.1441, 22.6242,
23.1493

■ 18.1441, 22.6242,
23.1493

■ 16.4694, 21.7944,
21.5836

■ 20.0946, 23.5959,
24.7976

■ 15.0551, 21.0967,
20.0975

■ 22.3317, 24.7132,
26.5285

■ 13.8871, 20.5246,
18.6898

■ 24.8678, 25.9830,
28.3438

■ 12.9491, 20.0695,
17.3589

■ 27.7141, 27.4112,
30.2451

■ 12.2228, 19.7221,
16.1030

■ 30.8810, 29.0030,
32.2334

■ 11.6869, 19.4715,
14.9200

■ 34.3786, 30.7638,
34.3103

■ 11.2915, 19.2919,
13.8068

■ 38.2165, 32.6983,
36.4769

■ 11.2454, 19.2710,
13.6750

■ 42.4039, 34.8114,
38.7344

■ 46.9496, 37.1075,
41.0840

Harmonies

Analogous

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



18.8133, 22.6242, 18.7738



18.1441, 22.6242, 23.1493



18.3334, 22.6242, 28.6029

Triad

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



18.1441, 22.6242, 23.1493



22.8482, 22.6242, 35.4918



23.8159, 22.6242, 17.4284

Complementary

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



18.1441, 22.6242, 23.1493



18.0347, 15.5831, 17.3874

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.



25.0198, 22.6242, 21.0502



18.1441, 22.6242, 23.1493



24.4390, 22.6242, 31.6018

Square

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



18.1441, 22.6242, 23.1493



20.9788, 22.6242, 36.2691



25.2542, 22.6242, 26.1807



22.0371, 22.6242, 15.7984

Rectangle

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



18.1441, 22.6242, 23.1493



18.9259, 22.6242, 32.0995



25.2542, 22.6242, 26.1807



24.3054, 22.6242, 18.4261

Sweetspot

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



18.1447, 22.6251, 23.1498



39.8124, 44.1661, 47.3733



18.2100, 22.8337, 15.2524



9.0466, 10.1134, 10.8207



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.



18.1447, 22.6251, 23.1498



30.3471, 39.4514, 39.4816



18.1030, 21.1106, 27.5477



5.1048, 5.6614, 6.0731



10.1572, 17.3955, 12.3842



0.0742, 0.1183, 0.1178

Inverse Universe

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



18.0347, 15.5831, 17.3874



30.1165, 24.5551, 27.3030



18.0200, 16.6299, 14.0649



5.0955, 5.0737, 5.5916



10.0477, 5.1292, 2.7555



0.0729, 0.0365, 0.0508

Previews

White Background



This preview shows how the XYZ color 18.1441, 22.6242, 23.1493 looks on a white background.

Color Contrast Check

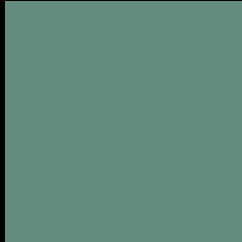
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1441, 22.6242, 23.1493 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

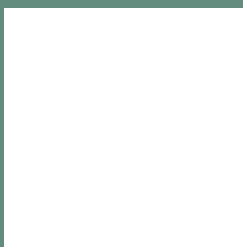
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1441, 22.6242, 23.1493

Background



This preview shows how black text looks on a background with the XYZ color 18.1441, 22.6242, 23.1493.



This preview shows how white text looks on a background with the XYZ color 18.1441, 22.6242,

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

18.1441, 22.6242, 23.1493

Protanopia

21.4255, 22.4966, 21.3022

Deuteranopia

22.9249, 22.4360, 23.8912



Tritanopia

19.6641, 22.5985, 30.9293

Trichromacy



Original Color

18.1441, 22.6242, 23.1493

Protanomaly

19.9887, 22.3427, 21.9979

Deuteranomaly

20.9147, 22.3803, 23.6396

Tritanomaly

19.0854, 22.5802, 27.7786

Monochromacy



Original Color

18.1441, 22.6242, 23.1493

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.0847, 21.4520, 22.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1441, 22.6242, 23.1493 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(99, 139, 126) looks like.

```
.text, #text, p{  
    color:rgb(99, 139, 126)  
}
```

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(99, 139, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 139, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.1441, 22.6242, 23.1493 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(99, 139, 126) }
```


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

```
.border{ border-color:rgb(99, 139, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 139, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 139, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 139, 126);  
box-shadow:4px 4px 4px 4px rgb(99, 139,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1441, 22.6242, 23.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 139, 126) }
```

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

```
.background{ background-color: rgb(99, 139,  
126) }
```

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