

Converting Colors

XYZ(16.1958, 23.6386, 23.4551)

Have a look what the booklet for
XYZ(16.1958, 23.6386, 23.4551)
contains.

XYZ(16.2193, 23.6468, 23.4481)	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(16.2193, 23.6468,
23.4481)**

Conversions

Conversions Part 1

Format	Color
Hex	3C947E
RGB	60, 148, 126
RGB Percent	24%, 58%, 49%
CMY	0.7647, 0.4196, 0.5059
CMYK	0.59, 0.00, 0.15, 0.42
HSL	165°, 42%, 41%
HSV	165°, 59%, 58%
XYZ	16.2193, 23.6468, 23.4481
YIQ	119.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

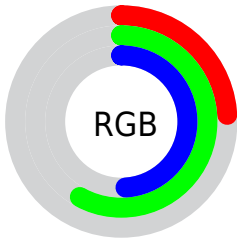
Format	Color
R _Y B	60, 110, 148
Decimal	3970174
CIE Lab	55.73, -31.86, 3.80
CIE LCh	56, 32.084, 173.204
Yxy	23.6468, 0.2562, 0.3735
Android (android.graphics.Color)	4282160254 (0xFF3C947E)
YUV	119.1800, 3.3623, -51.9009
Hunter-Lab	48.6280, -25.5623, 5.4503

Details

The XYZ color **16.2193, 23.6468, 23.4481** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3524, 10.1375, 9.1312**, and the grayscale version is **17.5922, 18.5084, 20.1556**.

A 20% lighter version of the original color is **36.6951, 49.6795, 50.3029**, and **5.6142, 9.0852, 8.4789** is the 20% darker color. If you saturate the color by 10%, you get **15.2130, 23.1557, 22.1779**, and if you desaturate by 10%, it is **17.4859, 24.2722, 24.7776**.

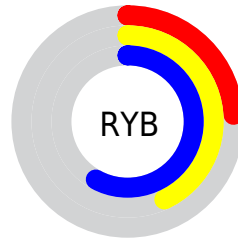
Distribution



Red (24%)

Green (58%)

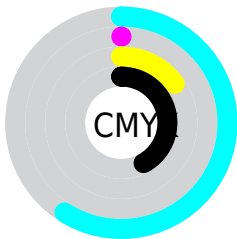
Blue (49%)



Red (24%)

Yellow (43%)

Blue (58%)

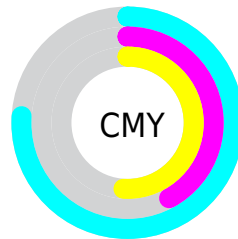


Cyan (59%)

Magenta (0%)

Yellow (15%)

Black (42%)



Cyan (76%)

Magenta (42%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2193, 23.6468, 23.4481 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 16.2193, 23.6468, 23.4481 by changing the saturation by 10% instead.

■ 16.2193, 23.6468,
23.4481

■ 16.2193, 23.6468,
23.4481

223.8773,
271.0299, 283.2144

■ 9.7713, 15.0718,
14.7163

■ 36.5329, 49.4532,
50.0606

■ 5.3087, 8.8698,
8.4761

■ 51.1292, 67.4534,
68.7783

■ 2.4661, 4.6564,
4.3090

■ 69.1723, 89.3642,
91.6618

■ 0.8782, 2.0471,
1.7963

■ 91.0275, 115.5699,
119.1296

■ 0.0000, 0.6346,
0.4255

■ 117.0603,
146.4549, 151.6002

■ 0.0000, 0.0000,
0.0000

147.6360,

182.4037, 189.4922

183.1199,
223.8005, 233.2241

■ 16.2193, 23.6468,
23.4481

■ 16.2193, 23.6468,
23.4481

■ 15.2130, 23.1557,
22.1779

■ 17.4859, 24.2722,
24.7776

■ 14.4434, 22.7850,
20.9639

■ 19.0298, 25.0390,
26.1662

■ 13.8860, 22.5228,
19.8050

■ 20.8690, 25.9570,
27.6156

■ 13.4806, 22.3379,
18.6978

■ 23.0192, 27.0342,
29.1272

■ 13.4595, 22.3282,
18.6391

■ 25.4952, 28.2783,
30.7020

■ 28.3106, 29.6964,
32.3412

■ 31.4784, 31.2950,
34.0458

■ 35.0109, 33.0805,
35.8168

■ 38.9196, 35.0589,
37.6552

Harmonies

Analogous

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



17.3255, 23.6468, 15.5135



16.2193, 23.6468, 23.4481



16.6387, 23.6468, 34.4768

Triad

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



16.2193, 23.6468, 23.4481



25.3465, 23.6468, 48.9048



26.9323, 23.6468, 12.8039

Complementary

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



16.2193, 23.6468, 23.4481



15.3524, 10.1375, 9.1312

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.



29.5391, 23.6468, 18.6318



16.2193, 23.6468, 23.4481



28.5568, 23.6468, 39.7111

Square

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



16.2193, 23.6468, 23.4481



21.6577, 23.6468, 51.2102



30.1636, 23.6468, 28.1922



23.3138, 23.6468, 10.5354

Rectangle

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



16.2193, 23.6468, 23.4481



17.7515, 23.6468, 42.0458



30.1636, 23.6468, 28.1922



27.9711, 23.6468, 14.3214

Sweetspot

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



16.2200, 23.6477, 23.4487



41.0660, 47.9253, 51.6913



15.0149, 23.3673, 7.9945



9.1259, 10.8156, 11.6336



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2200, 23.6477, 23.4487



26.3979, 40.6407, 38.4862



14.8593, 18.3993, 30.7862



5.9028, 6.5377, 7.0990



11.5074, 19.0757, 15.9793



0.1526, 0.2382, 0.2576

Inverse Universe

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



15.3524, 10.1375, 9.1312



24.7576, 14.6135, 11.0579



15.9370, 12.4387, 5.8364



5.8568, 5.8378, 6.3518



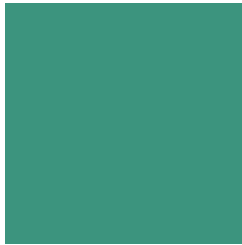
10.7266, 5.4957, 2.0413



0.1416, 0.0714, 0.0795

Previews

White Background



This preview shows how the XYZ color 16.2193, 23.6468, 23.4481 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 16.2193, 23.6468, 23.4481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

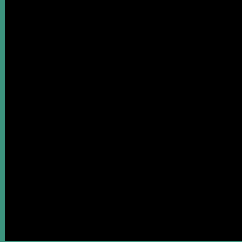
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2193, 23.6468, 23.4481

Background



This preview shows how black text looks on a background with the XYZ color 16.2193, 23.6468, 23.4481.

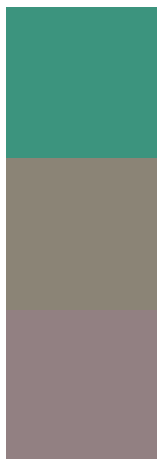


This preview shows how white text looks on a background with the XYZ color 16.2193, 23.6468,

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

16.2193, 23.6468, 23.4481

Protanopia

22.1687, 23.2995, 20.4684

Deuteranopia

23.6025, 23.1610, 24.3456



Tritanopia

18.4882, 23.6527, 34.6013

Trichromacy



Original Color

16.2193, 23.6468, 23.4481

Protanomaly

18.9701, 22.8724, 21.5042

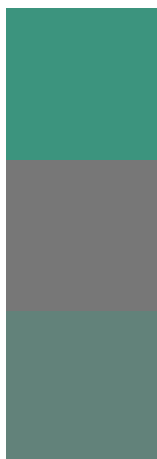
Deuteranomaly

19.6967, 22.5578, 24.0848

Tritanomaly

17.4742, 23.4577, 29.9924

Monochromacy



Original Color

16.2193, 23.6468, 23.4481

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5325, 19.9671, 21.3950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2193, 23.6468, 23.4481 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(60, 148, 126)` looks like.

```
.text, #text, p{  
    color:rgb(60, 148, 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(60, 148, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 148, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.2193, 23.6468, 23.4481 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(60, 148, 126) }
```


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

```
.border{ border-color:rgb(60, 148, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 148, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 148, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 148, 126);  
box-shadow:4px 4px 4px 4px rgb(60, 148,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2193, 23.6468, 23.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 148, 126) }
```

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

```
.background{ background-color: rgb(60, 148,  
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