

Converting Colors

XYZ(18.3991, 23.5123, 20.9770)

Have a look what the booklet for
XYZ(18.3991, 23.5123, 20.9770)
contains.

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Color

**XYZ(18.3696, 23.4446,
21.0098)**

Conversions

Conversions Part 1

Format	Color
Hex	658E77
RGB	101, 142, 119
RGB Percent	40%, 56%, 47%
CMY	0.6039, 0.4431, 0.5333
CMYK	0.29, 0.00, 0.16, 0.44
HSL	146°, 17%, 48%
HSV	146°, 29%, 56%
XYZ	18.3696, 23.4446, 21.0098
YIQ	127.1190, -17.0530, -15.8450

Conversions

Conversions Part 2

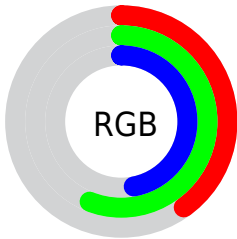
Format	Color
R_{YB}	101, 129, 142
Decimal	6655607
CIE _{Lab}	55.53, -19.22, 7.75
CIE _{LCh}	56, 20.728, 158.039
Yxy	23.4446, 0.2924, 0.3732
Android (android.graphics.Color)	4284845687 (0xFF658E77)
YUV	127.1190, -4.0027, -22.9064
Hunter-Lab	48.4196, -17.0144, 8.1672

Details

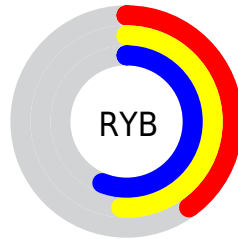
The XYZ color **18.3696, 23.4446, 21.0098** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4479, 16.5140, 21.2323**, and the grayscale version is **20.2317, 21.2853, 23.1797**.

A 20% lighter version of the original color is **40.2275, 49.1924, 45.9030**, and **6.3807, 8.8393, 7.3311** is the 20% darker color. If you saturate the color by 10%, you get **16.4565, 22.5120, 18.5268**, and if you desaturate by 10%, it is **20.5988, 24.5368, 23.7179**.

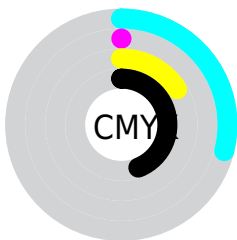
Distribution



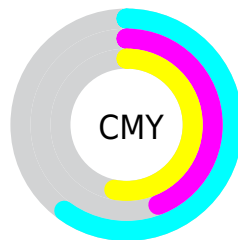
- Red (40%)
- Green (56%)
- Blue (47%)



- Red (40%)
- Yellow (51%)
- Blue (56%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (44%)



- Cyan (60%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3696, 23.4446, 21.0098 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 18.3696, 23.4446, 21.0098 by changing the saturation by 10% instead.

■ 18.3696, 23.4446,
21.0098

■ 18.3696, 23.4446,
21.0098

235.9516,
270.0004, 270.1133

■ 11.3170, 14.9221,
12.9399

■ 40.1913, 49.1223,
45.9848

■ 6.3493, 8.7648,
7.2569

■ 55.6910, 67.0464,
63.7270

■ 3.1013, 4.5881,
3.5424

■ 74.7372, 88.8731,
85.5304

■ 1.2076, 2.0077,
1.3778

■ 97.6951, 114.9869,
111.8134

■ 0.1123, 0.6119,
0.1243

124.9302,
145.7721, 142.9947

■ 0.0000, 0.0000,
0.0000

156.8077,

181.6132, 179.4927

193.6931,
222.8945, 221.7261

■ 18.3696, 23.4446,
21.0098

■ 18.3696, 23.4446,
21.0098

■ 16.4565, 22.5120,
18.5268

■ 20.5988, 24.5368,
23.7179

■ 14.8425, 21.7284,
16.2617

■ 23.1564, 25.7929,
26.6553

■ 13.5119, 21.0865,
14.2088

■ 26.0560, 27.2205,
29.8277

■ 12.4466, 20.5771,
12.3617

■ 29.3102, 28.8260,
33.2405

■ 11.6263, 20.1899,
10.7138

■ 32.9308, 30.6152,
36.8985

■ 11.0276, 19.9128,
9.2578

■ 36.9290, 32.5940,
40.8068

■ 10.5973, 19.7187,
7.9849

■ 41.3156, 34.7678,
44.9701

■ 10.5523, 19.6984,
7.8524

■ 46.1008, 37.1417,
49.3928

■ 51.2948, 39.7209,
54.0796

Harmonies

Analogous

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



19.6271, 23.4446, 16.6724



18.3696, 23.4446, 21.0098



18.1228, 23.4446, 27.3700

Triad

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



18.3696, 23.4446, 21.0098



22.9179, 23.4446, 40.5111



26.0139, 23.4446, 18.3888

Complementary

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



18.3696, 23.4446, 21.0098



19.4479, 16.5140, 21.2323

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.



27.0364, 23.4446, 23.7690



18.3696, 23.4446, 21.0098



25.1692, 23.4446, 37.0659

Square

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



18.3696, 23.4446, 21.0098



20.6445, 23.4446, 39.4224



26.7170, 23.4446, 30.6497



24.0068, 23.4446, 15.3537

Rectangle

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



18.3696, 23.4446, 21.0098



18.5473, 23.4446, 32.0685



26.7170, 23.4446, 30.6497



26.4903, 23.4446, 19.9420

Sweetspot

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



18.3702, 23.4456, 21.0103



40.6821, 45.4077, 46.8337



20.3687, 24.5891, 15.9849



8.9488, 10.0743, 10.3055



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.



18.3702, 23.4456, 21.0103



30.0218, 40.1850, 34.0048



19.7203, 23.9856, 28.1198



5.4351, 6.0663, 6.2569



9.4829, 17.6890, 7.0974



0.1014, 0.1734, 0.1246

Inverse Universe

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



19.4479, 16.5140, 21.2323



32.2580, 25.7954, 34.4611



18.2949, 16.0527, 15.1604



5.5276, 5.4716, 6.2762



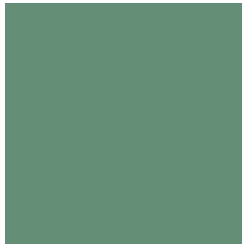
11.3140, 5.6826, 7.3051



0.1193, 0.0588, 0.1283

Previews

White Background



This preview shows how the XYZ color 18.3696, 23.4446, 21.0098 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 18.3696, 23.4446, 21.0098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

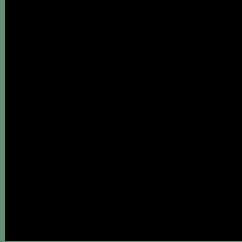
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3696, 23.4446, 21.0098

Background



This preview shows how black text looks on a background with the XYZ color 18.3696, 23.4446, 21.0098.



This preview shows how white text looks on a background with the XYZ color 18.3696, 23.4446,

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

18.3696, 23.4446, 21.0098

Protanopia

21.9360, 23.2064, 19.2427

Deuteranopia

23.6264, 23.2330, 21.6515



Tritanopia

20.5767, 23.4727, 31.8799

Trichromacy



Original Color

18.3696, 23.4446, 21.0098

Protanomaly

20.4140, 23.2292, 19.9308

Deuteranomaly

21.3544, 23.0611, 21.4149

Tritanomaly

19.6458, 23.3035, 27.5073

Monochromacy



Original Color

18.3696, 23.4446, 21.0098

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.3606, 21.8093, 22.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3696, 23.4446, 21.0098 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(101, 142, 119)` looks like.

```
.text, #text, p{  
    color:rgb(101, 142, 119)  
}
```

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(101, 142, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 142, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.3696, 23.4446, 21.0098 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(101, 142, 119) }
```


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

```
.border{ border-color:rgb(101, 142, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 142, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 142, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 142, 119);  
box-shadow:4px 4px 4px 4px rgb(101, 142,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3696, 23.4446, 21.0098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 142, 119) }
```

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

```
.background{ background-color: rgb(101,  
142, 119) }
```

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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