

Converting Colors

XYZ(18.4696, 21.9097, 24.7283)

Have a look what the booklet for
XYZ(18.4696, 21.9097, 24.7283)
contains.

XYZ(18.4696, 21.9097, 24.7283)	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(18.4696, 21.9097,
24.7283)**

Conversions

Conversions Part 1

Format	Color
Hex	688783
RGB	104, 135, 131
RGB Percent	41%, 53%, 51%
CMY	0.5922, 0.4706, 0.4863
CMYK	0.23, 0.00, 0.03, 0.47
HSL	172°, 13%, 47%
HSV	172°, 23%, 53%
XYZ	18.4696, 21.9097, 24.7283
YIQ	125.2750, -17.1920, -7.8160

Conversions

Conversions Part 2

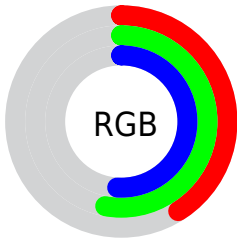
Format	Color
RYB	104, 121, 135
Decimal	6850435
CIELab	53.93, -11.82, -1.45
CIElCh	54, 11.908, 187.004
Yxy	21.9097, 0.2837, 0.3365
Android (android.graphics.Color)	4285040515 (0xFF688783)
YUV	125.2750, 2.8224, -18.6582
Hunter-Lab	46.8078, -11.4804, 1.4429

Details

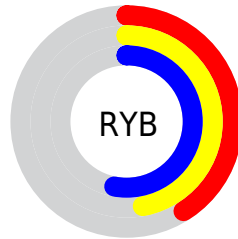
The XYZ color **18.4696, 21.9097, 24.7283** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.6495, 16.1348, 16.3723**, and the grayscale version is **19.5811, 20.6008, 22.4343**.

A 20% lighter version of the original color is **40.3453, 46.4951, 52.1954**, and **6.4024, 7.9469, 9.1791** is the 20% darker color. If you saturate the color by 10%, you get **16.9094, 21.1195, 24.0443**, and if you desaturate by 10%, it is **20.2840, 22.8319, 25.4355**.

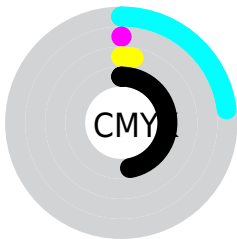
Distribution



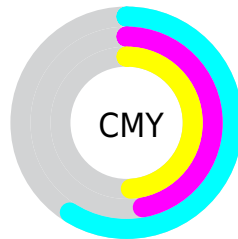
- Red (41%)
- Green (53%)
- Blue (51%)



- Red (41%)
- Yellow (47%)
- Blue (53%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)



- Cyan (59%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4696, 21.9097, 24.7283 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 18.4696, 21.9097, 24.7283 by changing the saturation by 10% instead.

■ 18.4696, 21.9097,
24.7283

■ 18.4696, 21.9097,
24.7283

236.4995,
262.0743, 289.8864

■ 11.3894, 13.7906,
15.6576

■ 40.3597, 46.5967,
52.1747

■ 6.3986, 7.9751,
9.1304

■ 55.9004, 63.9334,
71.3875

■ 3.1319, 4.0790,
4.7284

■ 74.9919, 85.1113,
94.8181

■ 1.2239, 1.7179,
2.0329

■ 97.9996, 110.5150,
122.8850

■ 0.1251, 0.4352,
0.5754

125.2888,
140.5287, 156.0067

■ 0.0000, 0.0000,
0.0000

157.2250,

175.5369, 194.6018

194.1734,
215.9240, 239.0889

■ 18.4696, 21.9097,
24.7283

■ 18.4696, 21.9097,
24.7283

■ 16.9094, 21.1195,
24.0443

■ 20.2840, 22.8319,
25.4355

■ 15.5895, 20.4523,
23.3814

■ 22.3618, 23.8890,
26.1650

■ 14.4976, 19.9026,
22.7395

■ 24.7141, 25.0874,
26.9178

■ 13.6198, 19.4629,
22.1177

■ 27.3508, 26.4322,
27.6944

■ 12.9402, 19.1252,
21.5155

■ 30.2812, 27.9283,
28.4954

■ 12.4411, 18.8802,
20.9318

■ 33.5144, 29.5801,
29.3211

■ 12.1012, 18.7172,
20.3656

■ 37.0590, 31.3922,
30.1721

■ 11.9093, 18.6267,
19.9754

■ 40.9231, 33.3689,
31.0487

■ 45.1148, 35.5141,
31.9515

Harmonies

Analogous

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



18.6341, 21.9097, 21.1997



18.4696, 21.9097, 24.7283



18.9150, 21.9097, 28.3682

Triad

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



18.4696, 21.9097, 24.7283



22.3456, 21.9097, 29.9578



21.8037, 21.9097, 17.9228

Complementary

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



18.4696, 21.9097, 24.7283



17.6495, 16.1348, 16.3723

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.



22.8584, 21.9097, 19.8495



18.4696, 21.9097, 24.7283



23.1801, 21.9097, 26.7253

Square

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



18.4696, 21.9097, 24.7283



21.1269, 21.9097, 31.5820



23.3715, 21.9097, 23.0043



20.5250, 21.9097, 17.5054

Rectangle

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



18.4696, 21.9097, 24.7283



19.5091, 21.9097, 30.2891



23.3715, 21.9097, 23.0043



22.1977, 21.9097, 18.4050

Sweetspot

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



18.4702, 21.9106, 24.7288



38.4250, 41.9547, 46.3016



17.3639, 21.5248, 16.3365



8.8576, 9.6952, 10.7085



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.4702, 21.9106, 24.7288



31.4379, 38.4057, 43.5835



17.2445, 19.0166, 25.6844



4.7764, 5.2688, 5.8340



10.9847, 17.1767, 18.4369



0.0398, 0.0602, 0.0733

Inverse Universe

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



17.6495, 16.1348, 16.3723



29.6785, 26.0162, 25.6634



18.6637, 18.4963, 15.6834



4.6952, 4.6978, 5.0075



9.3131, 4.7896, 0.9553



0.0337, 0.0172, 0.0110

Previews

White Background



This preview shows how the XYZ color 18.4696, 21.9097, 24.7283 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 18.4696, 21.9097, 24.7283 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

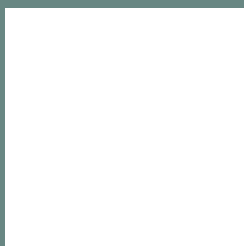
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4696, 21.9097, 24.7283

Background



This preview shows how black text looks on a background with the XYZ color 18.4696, 21.9097, 24.7283.



This preview shows how white text looks on a background with the XYZ color 18.4696, 21.9097,

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

18.4696, 21.9097, 24.7283

Protanopia

20.9100, 21.7959, 23.1836

Deuteranopia

22.2147, 21.8497, 25.2369



Tritanopia

19.4850, 21.9145, 29.5885

Trichromacy



Original Color

18.4696, 21.9097, 24.7283

Protanomaly

19.8977, 21.8561, 23.5920

Deuteranomaly

20.6193, 21.8021, 24.9513

Tritanomaly

19.1292, 21.9784, 27.6601

Monochromacy



Original Color

18.4696, 21.9097, 24.7283

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0171, 21.0147, 23.1326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4696, 21.9097, 24.7283 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(104, 135, 131)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 131)  
}
```

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(104, 135, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.4696, 21.9097, 24.7283 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(104, 135, 131) }
```


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

```
.border{ border-color:rgb(104, 135, 131) }
```

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

Here you see how a box with a 4 pixel rgb(104, 135, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 135, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 135, 131);  
box-shadow:4px 4px 4px 4px rgb(104, 135,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4696, 21.9097, 24.7283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 135, 131) }
```

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

```
.background{ background-color: rgb(104,  
135, 131) }
```

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