

Converting Colors

XYZ(18.2526, 21.2592, 18.2958)

Have a look what the booklet for
XYZ(18.2526, 21.2592, 18.2958)
contains.

XYZ(18.3230, 21.3632, 18.1967)	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(18.3230, 21.3632,
18.1967)**

Conversions

Conversions Part 1

Format	Color
Hex	74846F
RGB	116, 132, 111
RGB Percent	45%, 52%, 44%
CMY	0.5451, 0.4823, 0.5647
CMYK	0.12, 0.00, 0.16, 0.48
HSL	106°, 9%, 48%
HSV	106°, 16%, 52%
XYZ	18.3230, 21.3632, 18.1967
YIQ	124.8220, -2.7950, -9.9230

Conversions

Conversions Part 2

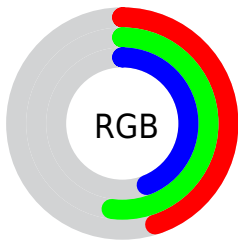
Format	Color
R_{YB}	111, 132, 127
Decimal	7636079
CIE Lab	53.34, -10.06, 9.40
CIE LCh	53, 13.766, 136.957
Yxy	21.3632, 0.3166, 0.3691
Android (android.graphics.Color)	4285826159 (0xFF74846F)
YUV	124.8220, -6.8142, -7.7369
Hunter-Lab	46.2203, -10.1233, 9.0121

Details

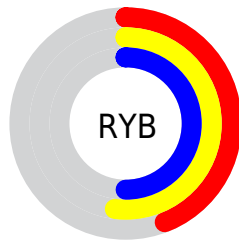
The XYZ color **18.3230, 21.3632, 18.1967** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.6024, 17.5474, 24.2374**, and the grayscale version is **19.4565, 20.4697, 22.2915**.

A 20% lighter version of the original color is **40.1083, 45.6671, 41.3510**, and **6.3744, 7.7743, 5.8673** is the 20% darker color. If you saturate the color by 10%, you get **16.3840, 20.4421, 14.5882**, and if you desaturate by 10%, it is **20.5153, 22.4037, 22.3787**.

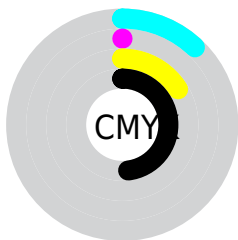
Distribution



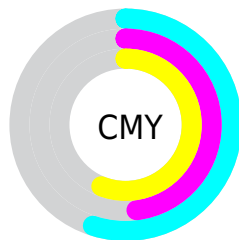
- Red (45%)
- Green (52%)
- Blue (44%)



- Red (44%)
- Yellow (52%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (48%)



- Cyan (55%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3230, 21.3632, 18.1967 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 18.3230, 21.3632, 18.1967 by changing the saturation by 10% instead.

■ 18.3230, 21.3632,
18.1967

■ 18.3230, 21.3632,
18.1967

235.6959,
259.2024, 254.2507

■ 11.2832, 13.3897,
10.9204

■ 40.1127, 45.6912,
41.1907

■ 6.3264, 7.6975,
5.8998

■ 55.5934, 62.8146,
57.7454

■ 3.0871, 3.9020,
2.7165

■ 74.6184, 83.7567,
78.2301

■ 1.2000, 1.6189,
0.9517

■ 97.5531, 108.9020,
103.0631

■ 0.1063, 0.3703,
0.0000

124.7628,
138.6348, 132.6632

■ 0.0000, 0.0000,
0.0000

156.6130,

173.3395, 167.4488

193.4689,
213.4006, 207.8384

■ 18.3230, 21.3632,
18.1967

■ 18.3230, 21.3632,
18.1967

■ 16.3840, 20.4421,
14.5882

■ 20.5153, 22.4037,
22.3787

■ 14.6874, 19.6335,
11.5269

■ 22.9681, 23.5650,
27.1562

■ 13.2239, 18.9337,
8.9864


■ 25.6903, 24.8517,
32.5518


■ 11.9828, 18.3380,
6.9377


■ 28.6898, 26.2675,
38.5864


■ 10.9528, 17.8411,
5.3490


■ 31.9743, 27.8160,
45.2801


 10.1214, 17.4374,
4.1845


 35.5511, 29.5004,
52.6519


 9.4745, 17.1205,
3.4035

 39.4273, 31.3241,
60.7202

 8.9929, 16.8820,
2.9396

 43.6097, 33.2902,
69.5027

 8.8297, 16.8013,
2.7776

 48.1050, 35.4017,
79.0162

Harmonies

Analogous

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



19.4978, 21.3632, 16.3911



18.3230, 21.3632, 18.1967



17.6928, 21.3632, 21.4944

Triad

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



18.3230, 21.3632, 18.1967



19.6785, 21.3632, 31.9988



23.1085, 21.3632, 20.9954

Complementary

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



18.3230, 21.3632, 18.1967



18.6024, 17.5474, 24.2374

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.



23.1626, 21.3632, 25.1216



18.3230, 21.3632, 18.1967



21.1343, 21.3632, 31.8235

Square

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



18.3230, 21.3632, 18.1967



18.4498, 21.3632, 29.6408



22.4252, 21.3632, 29.1870



22.2807, 21.3632, 17.8692

Rectangle

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



18.3230, 21.3632, 18.1967



17.6457, 21.3632, 24.2478



22.4252, 21.3632, 29.1870



23.2191, 21.3632, 22.3012

Sweetspot

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



18.3236, 21.3641, 18.1972



36.4639, 39.6176, 40.0510



19.9429, 21.1684, 18.0740



8.4320, 9.1965, 9.2135



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.3236, 21.3641, 18.1972



31.0251, 37.0372, 29.7062



17.9744, 21.1497, 19.7348



4.7125, 5.2543, 4.9952



8.5532, 16.2693, 2.6895



0.0353, 0.0593, 0.0096

Inverse Universe

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



18.6024, 17.5474, 24.2374



31.6099, 29.0226, 42.3891



19.0154, 17.8007, 22.4278



4.7524, 4.7085, 5.8591



9.1878, 4.2706, 21.4768



0.0383, 0.0181, 0.0747

Previews

White Background



This preview shows how the XYZ color 18.3230, 21.3632, 18.1967 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 18.3230, 21.3632, 18.1967 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

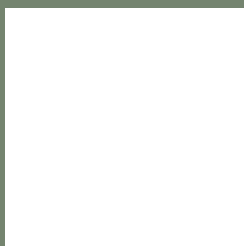
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3230, 21.3632, 18.1967

Background



This preview shows how black text looks on a background with the XYZ color 18.3230, 21.3632, 18.1967.



This preview shows how white text looks on a background with the XYZ color 18.3230, 21.3632,

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

18.3230, 21.3632, 18.1967

Protanopia

20.1277, 21.3298, 17.2436

Deuteranopia

21.7406, 21.3779, 18.6033



Tritanopia

20.0523, 21.2664, 27.0927

Trichromacy



Original Color

18.3230, 21.3632, 18.1967

Protanomaly

19.3630, 21.3167, 17.5620

Deuteranomaly

20.2170, 21.1599, 18.3480

Tritanomaly

19.3543, 21.1810, 23.4903

Monochromacy



Original Color

18.3230, 21.3632, 18.1967

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1354, 20.9320, 20.8010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3230, 21.3632, 18.1967 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(116, 132, 111)` looks like.

```
.text, #text, p{  
    color:rgb(116, 132, 111)  
}
```

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(116, 132, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 132, 111) }
```

Border

The CSS property to change the border of an element to XYZ 18.3230, 21.3632, 18.1967 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(116, 132, 111) }
```


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

```
.border{ border-color:rgb(116, 132, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 132, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 132, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 132, 111);  
box-shadow:4px 4px 4px 4px rgb(116, 132,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3230, 21.3632, 18.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 132, 111) }
```

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

```
.background{ background-color: rgb(116,  
132, 111) }
```

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