

Converting Colors

XYZ(18.3072, 21.4037, 15.9984)

Have a look what the booklet for
XYZ(18.3072, 21.4037, 15.9984)
contains.

XYZ(18.3072, 21.4037, 15.9984)	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(18.3072, 21.4037,
15.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	778467
RGB	119, 132, 103
RGB Percent	47%, 52%, 40%
CMY	0.5333, 0.4823, 0.5961
CMYK	0.10, 0.00, 0.22, 0.48
HSL	87°, 12%, 46%
HSV	87°, 22%, 52%
XYZ	18.3072, 21.4037, 15.9984
YIQ	124.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

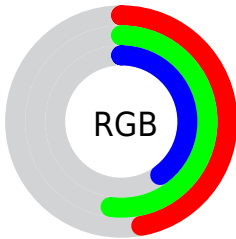
Format	Color
R_{YB}	103, 132, 116
Decimal	7832679
CIE _{Lab}	53.39, -10.33, 14.10
CIE _{LCh}	53, 17.480, 126.235
Yxy	21.4037, 0.3286, 0.3842
Android (android.graphics.Color)	4286022759 (0xFF778467)
YUV	124.8070, -10.7509, -5.0927
Hunter-Lab	46.2641, -10.3279, 11.8821

Details

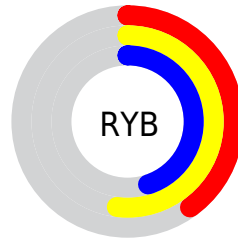
The XYZ color **18.3072, 21.4037, 15.9984** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2184, 15.0800, 23.8868**, and the grayscale version is **19.4632, 20.4768, 22.2992**.

A 20% lighter version of the original color is **39.9763, 45.6889, 37.2837**, and **6.3329, 7.7741, 4.9082** is the 20% darker color. If you saturate the color by 10%, you get **16.9094, 20.7543, 12.7433**, and if you desaturate by 10%, it is **19.8614, 22.1229, 19.8078**.

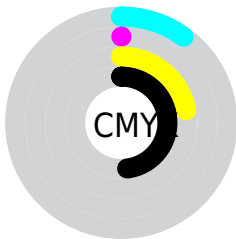
Distribution



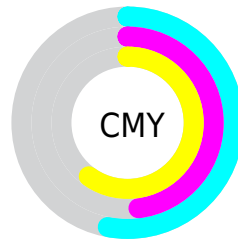
- Red (47%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3072, 21.4037, 15.9984 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 18.3072, 21.4037, 15.9984 by changing the saturation by 10% instead.

■ 18.3072, 21.4037,
15.9984

■ 18.3072, 21.4037,
15.9984

235.6092,
259.4162, 241.1777

■ 11.2718, 13.4194,
9.3687

■ 40.0861, 45.7584,
37.3622

■ 6.3186, 7.7180,
4.8823

■ 55.5603, 62.8977,
52.9333

■ 3.0822, 3.9150,
2.1209

■ 74.5781, 83.8574,
72.3220

■ 1.1974, 1.6261,
0.6281

■ 97.5049, 109.0219,
95.9468

■ 0.1043, 0.3751,
0.0000

124.7061,
138.7756, 124.2262

■ 0.0000, 0.0000,
0.0000

156.5469,

173.5030, 157.5788

193.3928,
213.5884, 196.4231

■ 18.3072, 21.4037,
15.9984

■ 18.3072, 21.4037,
15.9984

■ 16.9094, 20.7543,
12.7433

■ 19.8614, 22.1229,
19.8078

■ 15.6604, 20.1696,
10.0152

■ 21.5757, 22.9113,
24.1943

■ 14.5546, 19.6477,
7.7868

■ 23.4559, 23.7721,
29.1811

■ 13.5852, 19.1859,
6.0275

■ 25.5068, 24.7074,
34.7895

■ 12.7449, 18.7811,
4.7036

■ 27.7333, 25.7192,
41.0400

■ 12.0254, 18.4299,
3.7768

■ 30.1397, 26.8092,
47.9522

■ 11.4169, 18.1284,
3.2020

■ 32.7304, 27.9794,
55.5447

■ 10.9859, 17.9129,
2.8785

■ 35.5096, 29.2315,
63.8353

■ 38.4813, 30.5672,
72.8414

Harmonies

Analogous

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



19.9586, 21.4037, 14.5538



18.3072, 21.4037, 15.9984



17.2507, 21.4037, 19.4261

Triad

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



18.3072, 21.4037, 15.9984



18.9398, 21.4037, 33.9598



24.0993, 21.4037, 22.2130

Complementary

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



18.3072, 21.4037, 15.9984



16.2184, 15.0800, 23.8868

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.



23.7857, 21.4037, 27.6686



18.3072, 21.4037, 15.9984



20.7335, 21.4037, 35.0060

Square

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



18.3072, 21.4037, 15.9984



17.6001, 21.4037, 29.8797



22.5256, 21.4037, 32.5536



23.3583, 21.4037, 17.7733

Rectangle

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



18.3072, 21.4037, 15.9984



16.9880, 21.4037, 22.6407



22.5256, 21.4037, 32.5536



24.1143, 21.4037, 23.9821

Sweetspot

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



18.3078, 21.4046, 15.9989



36.4019, 39.6204, 38.4800



18.1602, 18.2766, 15.4029



8.4428, 9.2096, 8.8764



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.



18.3078, 21.4046, 15.9989



31.0787, 37.1597, 25.4186



16.5179, 20.4819, 15.9151



4.8436, 5.3219, 5.0013



10.6428, 17.3465, 2.7873



0.0453, 0.0644, 0.0101

Inverse Universe

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



16.2184, 15.0800, 23.8868



26.7676, 24.1088, 41.6958



18.2320, 16.1181, 23.9810



4.6180, 4.6392, 5.8528



5.7953, 2.5218, 21.3180



0.0283, 0.0130, 0.0742

Previews

White Background



This preview shows how the XYZ color 18.3072, 21.4037, 15.9984 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 18.3072, 21.4037, 15.9984 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

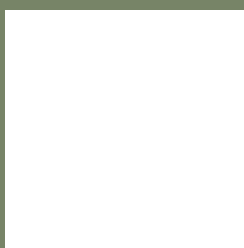
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3072, 21.4037, 15.9984

Background



This preview shows how black text looks on a background with the XYZ color 18.3072, 21.4037, 15.9984.



This preview shows how white text looks on a background with the XYZ color 18.3072, 21.4037,

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

18.3072, 21.4037, 15.9984

Protanopia

19.9300, 21.2692, 15.3669

Deuteranopia

21.5420, 21.1420, 16.3100



Tritanopia

20.4169, 21.2700, 26.6963

Trichromacy



Original Color

18.3072, 21.4037, 15.9984

Protanomaly

19.3018, 21.3270, 15.6696

Deuteranomaly

20.2761, 21.2396, 16.1277

Tritanomaly

19.5780, 21.3188, 22.4851

Monochromacy



Original Color

18.3072, 21.4037, 15.9984

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0984, 20.9337, 19.8636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3072, 21.4037, 15.9984 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(119, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 103)  
}
```

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(119, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.3072, 21.4037, 15.9984 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(119, 132, 103) }
```


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

```
.border{ border-color:rgb(119, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3072, 21.4037, 15.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 103) }
```

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

```
.background{ background-color: rgb(119,  
132, 103) }
```

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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