

Converting Colors

XYZ(17.9925, 24.7848, 15.5956)

Have a look what the booklet for
XYZ(17.9925, 24.7848, 15.5956)
contains.

XYZ(17.9876, 24.7333, 15.6303)	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(17.9876, 24.7333,
15.6303)**

Conversions

Conversions Part 1

Format	Color
Hex	639463
RGB	99, 148, 99
RGB Percent	39%, 58%, 39%
CMY	0.6118, 0.4196, 0.6118
CMYK	0.33, 0.00, 0.33, 0.42
HSL	120°, 20%, 48%
HSV	120°, 33%, 58%
XYZ	17.9876, 24.7333, 15.6303
YIQ	127.7630, -13.4750, -25.6270

Conversions

Conversions Part 2

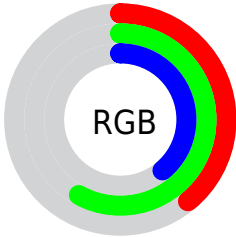
Format	Color
RYB	99, 148, 148
Decimal	6526051
CIELab	56.81, -26.79, 20.82
CIELCh	57, 33.930, 142.145
Yxy	24.7333, 0.3083, 0.4239
Android (android.graphics.Color)	4284716131 (0xFF639463)
YUV	127.7630, -14.1802, -25.2252
Hunter-Lab	49.7326, -22.4710, 16.1787

Details

The XYZ color **17.9876, 24.7333, 15.6303** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0207, 17.3582, 30.2078**, and the grayscale version is **20.4871, 21.5540, 23.4723**.

A 20% lighter version of the original color is **39.3880, 51.0224, 36.6265**, and **6.1612, 9.4503, 4.7482** is the 20% darker color. If you saturate the color by 10%, you get **15.8726, 23.7181, 12.1704**, and if you desaturate by 10%, it is **20.5299, 25.9552, 19.7882**.

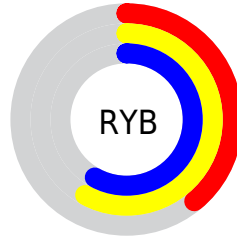
Distribution



Red (39%)

Green (58%)

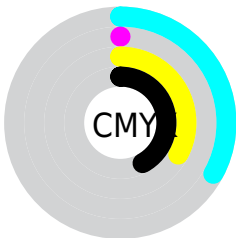
Blue (39%)



Red (39%)

Yellow (58%)

Blue (58%)

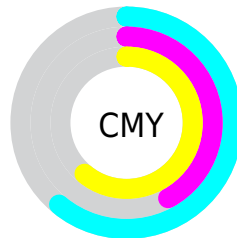


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (42%)



Cyan (61%)

Magenta (42%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9876, 24.7333, 15.6303 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 17.9876, 24.7333, 15.6303 by changing the saturation by 10% instead.

■ 17.9876, 24.7333,
15.6303

■ 17.9876, 24.7333,
15.6303

233.8481,
276.5071, 238.9210

■ 11.0407, 15.8785,
9.1114

■ 39.5464, 51.2242,
36.7130

■ 6.1617, 9.4382,
4.7161

■ 54.8891, 69.6291,
52.1139

■ 2.9853, 5.0281,
2.0259

■ 73.7611, 91.9861,
71.3125

■ 1.1460, 2.2638,
0.5711

■ 96.5277, 118.6797,
94.7275

■ 0.0631, 0.7544,
0.0000

123.5544,
150.0942, 122.7773

■ 0.0000, 0.0000,
0.0000

155.2064,

186.6140, 155.8804

191.8492,
228.6235, 194.4555

■ 17.9876, 24.7333,
15.6303

■ 17.9876, 24.7333,
15.6303

■ 15.8726, 23.7181,
12.1704

■ 20.5299, 25.9552,
19.7882

■ 14.1598, 22.8953,
9.3687

■ 23.5192, 27.3911,
24.6777

■ 12.8242, 22.2538,
7.1840


■ 26.9761, 29.0517,
30.3321


■ 11.8373, 21.7797,
5.5698


■ 30.9196, 30.9459,
36.7823


■ 11.1668, 21.4576,
4.4730


■ 35.3674, 33.0825,
44.0575


 10.7739, 21.2690,
3.8304

 40.3365, 35.4694,
52.1853

 10.5904, 21.1808,
3.5302

 45.8430, 38.1144,
61.1920

 51.9023, 41.0250,
71.1031

 58.5293, 44.2083,
81.9426

Harmonies

Analogous

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



20.7498, 24.7333, 11.3461



17.9876, 24.7333, 15.6303



16.7355, 24.7333, 24.0551

Triad

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



17.9876, 24.7333, 15.6303



22.4816, 24.7333, 54.8689



31.3008, 24.7333, 19.5095

Complementary

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



17.9876, 24.7333, 15.6303



22.0207, 17.3582, 30.2078

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.



31.8987, 24.7333, 30.0261



17.9876, 24.7333, 15.6303



26.5010, 24.7333, 52.6403

Square

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



17.9876, 24.7333, 15.6303



19.1330, 24.7333, 48.1116



30.0566, 24.7333, 42.6752



28.5043, 24.7333, 13.1072

Rectangle

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



17.9876, 24.7333, 15.6303



16.8146, 24.7333, 31.7904



30.0566, 24.7333, 42.6752



31.7774, 24.7333, 22.5927

Sweetspot

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



17.9882, 24.7343, 15.6308



43.1845, 49.1389, 46.3016



25.0559, 28.3778, 15.9614



9.6870, 11.1352, 10.2899



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.



17.9882, 24.7343, 15.6308



28.8030, 42.2307, 22.7780



19.3427, 25.2761, 22.7633



5.7296, 6.4684, 6.1870



9.0455, 18.0910, 3.0152



0.1107, 0.2214, 0.0369

Inverse Universe

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



22.0207, 17.3582, 30.2078



37.0824, 27.0859, 52.7075



20.2819, 16.6626, 21.0513



6.0353, 5.9092, 7.2922



14.9972, 7.2039, 24.5302



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 17.9876, 24.7333, 15.6303 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 17.9876, 24.7333, 15.6303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

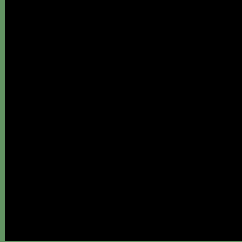
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9876, 24.7333, 15.6303

Background



This preview shows how black text looks on a background with the XYZ color 17.9876, 24.7333, 15.6303.



This preview shows how white text looks on a background with the XYZ color 17.9876, 24.7333,

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

17.9876, 24.7333, 15.6303

Protanopia

22.8572, 24.6195, 14.1370

Deuteranopia

24.9280, 24.4181, 16.2313



Tritanopia

21.5813, 24.6009, 33.7480

Trichromacy



Original Color

17.9876, 24.7333, 15.6303

Protanomaly

20.6953, 24.3465, 14.6749

Deuteranomaly

21.8252, 24.2539, 16.1015

Tritanomaly

20.0326, 24.6432, 25.8911

Monochromacy



Original Color

17.9876, 24.7333, 15.6303

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.2110, 22.3942, 20.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9876, 24.7333, 15.6303 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(99, 148, 99)` looks like.

```
.text, #text, p{  
    color:rgb(99, 148, 99)  
}
```

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(99, 148, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 148, 99) }
```

Border

The CSS property to change the border of an element to XYZ 17.9876, 24.7333, 15.6303 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(99, 148, 99) }
```


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

```
.border{ border-color:rgb(99, 148, 99) }
```

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

Here you see how a box with a 4 pixel rgb(99, 148, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 148, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 148, 99);  
box-shadow:4px 4px 4px 4px rgb(99, 148,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9876, 24.7333, 15.6303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 148, 99) }
```

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

```
.background{ background-color: rgb(99, 148,  
99) }
```

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