

Converting Colors

XYZ(19.8593, 24.3321, 15.7066)

Have a look what the booklet for
XYZ(19.8593, 24.3321, 15.7066)
contains.

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Color

**XYZ(19.8584, 24.3310,
15.7063)**

Conversions

Conversions Part 1

Format	Color
Hex	798E64
RGB	121, 142, 100
RGB Percent	47%, 56%, 39%
CMY	0.5255, 0.4431, 0.6078
CMYK	0.15, 0.00, 0.30, 0.44
HSL	90°, 17%, 47%
HSV	90°, 30%, 56%
XYZ	19.8584, 24.3310, 15.7063
YIQ	130.9330, 0.9660, -17.5140

Conversions

Conversions Part 2

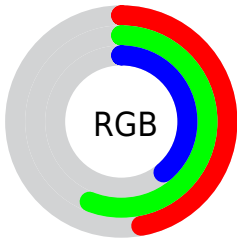
Format	Color
R_{YB}	100, 142, 121
Decimal	7966308
CIE _{Lab}	56.42, -15.45, 19.97
CIE _{LCh}	56, 25.249, 127.737
Yxy	24.3310, 0.3315, 0.4062
Android (android.graphics.Color)	4286156388 (0xFF798E64)
YUV	130.9330, -15.2500, -8.7112
Hunter-Lab	49.3265, -14.4588, 15.6497

Details

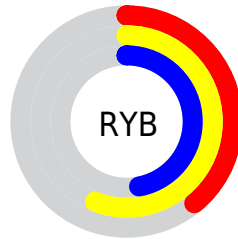
The XYZ color **19.8584, 24.3310, 15.7063** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.3258, 15.1329, 27.6002**, and the grayscale version is **21.6025, 22.7275, 24.7502**.

A 20% lighter version of the original color is **42.7814, 50.7129, 36.8119**, and **7.1422, 9.2891, 4.7847** is the 20% darker color. If you saturate the color by 10%, you get **18.2716, 23.5863, 12.3517**, and if you desaturate by 10%, it is **21.6396, 25.1635, 19.6964**.

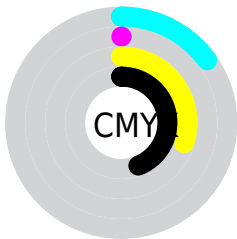
Distribution



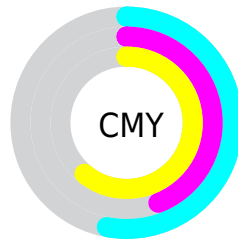
- Red (47%)
- Green (56%)
- Blue (39%)



- Red (39%)
- Yellow (56%)
- Blue (47%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8584, 24.3310, 15.7063 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 19.8584, 24.3310, 15.7063 by changing the saturation by 10% instead.

■ 19.8584, 24.3310,
15.7063

■ 19.8584, 24.3310,
15.7063

243.9957,
274.4897, 239.3886

■ 12.3998, 15.5793,
9.1645

■ 42.6854, 50.5698,
36.8472

■ 7.0907, 9.2270,
4.7503

■ 58.7846, 68.8257,
52.2834

■ 3.5657, 4.8895,
2.0454

■ 78.4946, 91.0186,
71.5215

■ 1.4595, 2.1826,
0.5830

■ 102.1809,
117.5326, 94.9799

■ 0.2980, 0.7105,
0.0000

130.2088,
148.7524, 123.0773

■ 0.0000, 0.0000,
0.0000

162.9437,

185.0622, 156.2322

200.7509,
226.8465, 194.8631

■ 19.8584, 24.3310,
15.7063

■ 19.8584, 24.3310,
15.7063

■ 18.2716, 23.5863,
12.3517

■ 21.6396, 25.1635,
19.6964

■ 16.8695, 22.9230,
9.5983

■ 23.6205, 26.0837,
24.3508

■ 15.6442, 22.3385,
7.4107


■ 25.8087, 27.0957,
29.6987


■ 14.5868, 21.8290,
5.7494


■ 28.2106, 28.2021,
35.7667


■ 13.6868, 21.3903,
4.5698


■ 30.8325, 29.4057,
42.5804


 12.9327, 21.0173,
3.8196


 33.6804, 30.7089,
50.1638

 12.2970, 20.6990,
3.3644

 36.7598, 32.1142,
58.5401

 12.2717, 20.6864,
3.3461

 40.0763, 33.6239,
67.7313

 43.6351, 35.2403,
77.7586

Harmonies

Analogous

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



22.3786, 24.3310, 13.5446



19.8584, 24.3310, 15.7063



18.3114, 24.3310, 20.8578

Triad

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



19.8584, 24.3310, 15.7063



21.0642, 24.3310, 44.3238



29.1444, 24.3310, 24.3870

Complementary

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



19.8584, 24.3310, 15.7063



17.3258, 15.1329, 27.6002

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.



28.7180, 24.3310, 33.0599



19.8584, 24.3310, 15.7063



23.8897, 24.3310, 45.8227

Square

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



19.8584, 24.3310, 15.7063



18.9656, 24.3310, 37.5968



26.7335, 24.3310, 41.3438



27.8539, 24.3310, 17.8228

Rectangle

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



19.8584, 24.3310, 15.7063



17.9593, 24.3310, 25.8627



26.7335, 24.3310, 41.3438



29.1989, 24.3310, 27.1321

Sweetspot

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



19.8590, 24.3321, 15.7068



41.7946, 46.0609, 43.2839



20.2938, 20.3465, 14.9146



9.2287, 10.2386, 9.4132



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.



19.8590, 24.3321, 15.7068



33.2572, 42.0792, 23.9293



17.2295, 22.9765, 15.5838



5.5836, 6.1535, 5.7828



11.0389, 18.5834, 3.0051



0.1309, 0.1907, 0.0299

Inverse Universe

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



17.3258, 15.1329, 27.6002



28.0976, 23.3433, 48.1527



20.5959, 16.8188, 27.7533



5.3704, 5.3791, 6.7840



6.7385, 2.9674, 23.1947



0.0898, 0.0414, 0.2229

Previews

White Background



This preview shows how the XYZ color 19.8584, 24.3310, 15.7063 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 19.8584, 24.3310, 15.7063 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 19.8584, 24.3310, 15.7063

Background



This preview shows how black text looks on a background with the XYZ color 19.8584, 24.3310, 15.7063.



This preview shows how white text looks on a background with the XYZ color 19.8584, 24.3310,

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

19.8584, 24.3310, 15.7063

Protanopia

22.4987, 24.2108, 14.7966

Deuteranopia

24.7289, 24.3155, 16.2220



Tritanopia

22.9727, 24.3041, 31.0841

Trichromacy



Original Color

19.8584, 24.3310, 15.7063

Protanomaly

21.4464, 24.2930, 15.1140

Deuteranomaly

22.6004, 24.0292, 16.0173

Tritanomaly

21.5752, 24.1486, 24.6431

Monochromacy



Original Color

19.8584, 24.3310, 15.7063

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8065, 23.1960, 21.1500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8584, 24.3310, 15.7063 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(121, 142, 100)` looks like.

```
.text, #text, p{  
    color:rgb(121, 142, 100)  
}
```

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(121, 142, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 142, 100) }
```

Border

The CSS property to change the border of an element to XYZ 19.8584, 24.3310, 15.7063 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(121, 142, 100) }
```


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

```
.border{ border-color:rgb(121, 142, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 142, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 142, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 142, 100);  
box-shadow:4px 4px 4px 4px rgb(121, 142,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8584, 24.3310, 15.7063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 142, 100) }
```

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

```
.background{ background-color: rgb(121,  
142, 100) }
```

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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