

Converting Colors

XYZ(19.3857, 24.0320, 13.4360)

Have a look what the booklet for
XYZ(19.3857, 24.0320, 13.4360)
contains.

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Color

**XYZ(19.4465, 24.1663,
13.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	798E5B
RGB	121, 142, 91
RGB Percent	47%, 56%, 36%
CMY	0.5255, 0.4431, 0.6431
CMYK	0.15, 0.00, 0.36, 0.44
HSL	85°, 22%, 46%
HSV	85°, 36%, 56%
XYZ	19.4465, 24.1663, 13.5371
YIQ	129.9070, 3.8550, -20.3130

Conversions

Conversions Part 2

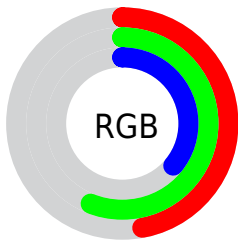
Format	Color
R_{YB}	91, 142, 112
Decimal	7966299
CIE _{Lab}	56.25, -16.81, 24.76
CIE _{LCh}	56, 29.925, 124.183
Yxy	24.1663, 0.3403, 0.4229
Android (android.graphics.Color)	4286156379 (0xFF798E5B)
YUV	129.9070, -19.1812, -7.8114
Hunter-Lab	49.1592, -15.4173, 18.0846

Details

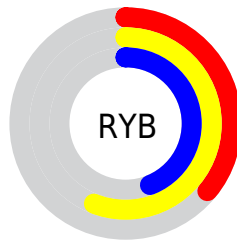
The XYZ color **19.4465, 24.1663, 13.5371** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3066, 12.8805, 27.2720**, and the grayscale version is **21.2505, 22.3571, 24.3469**.

A 20% lighter version of the original color is **42.0780, 50.4315, 33.1077**, and **6.8803, 9.1757, 3.7913** is the 20% darker color. If you saturate the color by 10%, you get **18.0964, 23.5352, 10.5734**, and if you desaturate by 10%, it is **20.9635, 24.8715, 17.1148**.

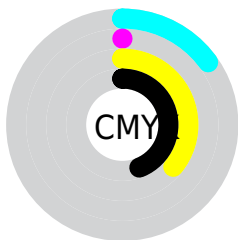
Distribution



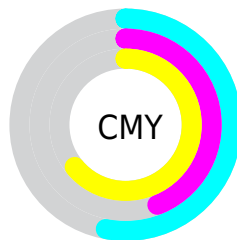
- Red (47%)
- Green (56%)
- Blue (36%)



- Red (36%)
- Yellow (56%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (36%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4465, 24.1663, 13.5371 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 19.4465, 24.1663, 13.5371 by changing the saturation by 10% instead.

■ 19.4465, 24.1663,
13.5371

■ 19.4465, 24.1663,
13.5371

241.7938,
273.6602, 225.6592

■ 12.0993, 15.4570,
7.6644

■ 41.9983, 50.3014,
32.9706

■ 6.8840, 9.1408,
3.7963

■ 57.9336, 68.4961,
47.3685

■ 3.4353, 4.8331,
1.5143

■ 77.4622, 90.6213,
65.4451

■ 1.3879, 2.1497,
0.2285

■ 100.9496,
117.0616, 87.6191

■ 0.2476, 0.6923,
0.0000

128.7611,
148.2012, 114.3090

■ 0.0000, 0.0000,
0.0000

161.2621,

184.4245, 145.9332

198.8179,
226.1161, 182.9105

■ 19.4465, 24.1663,
13.5371

■ 19.4465, 24.1663,
13.5371

■ 18.0964, 23.5352,
10.5734

■ 20.9635, 24.8715,
17.1148

■ 16.9038, 22.9720,
8.1874

■ 22.6524, 25.6505,
21.3367

■ 15.8614, 22.4744,
6.3418

■ 24.5203, 26.5070,
26.2331

■ 14.9601, 22.0387,
4.9939

■ 26.5733, 27.4435,
31.8317

■ 14.1896, 21.6606,
4.0948

■ 28.8172, 28.4625,
38.1588

■ 13.5351, 21.3341,
3.5710

■ 31.2573, 29.5663,
45.2393

■ 13.2873, 21.2100,
3.3936

■ 33.8991, 30.7570,
53.0969

■ 36.7475, 32.0367,
61.7543

■ 39.8074, 33.4075,
71.2331

Harmonies

Analogous

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



22.4897, 24.1663, 11.5700



19.4465, 24.1663, 13.5371



17.5097, 24.1663, 18.8887

Triad

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



19.4465, 24.1663, 13.5371



20.2049, 24.1663, 47.3402



30.2259, 24.1663, 24.9538

Complementary

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



19.4465, 24.1663, 13.5371



15.3066, 12.8805, 27.2720

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.



29.4601, 24.1663, 35.4651



19.4465, 24.1663, 13.5371



23.4557, 24.1663, 50.1177

Square

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



19.4465, 24.1663, 13.5371



17.9159, 24.1663, 38.4696



26.8938, 24.1663, 45.3233



28.8936, 24.1663, 17.0322

Rectangle

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



19.4465, 24.1663, 13.5371



16.9919, 24.1663, 24.4376



26.8938, 24.1663, 45.3233



30.2062, 24.1663, 28.2819

Sweetspot

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



19.4471, 24.1674, 13.5376



41.4475, 45.9206, 41.5195



18.7727, 17.9633, 12.3757



9.1727, 10.2176, 9.0522



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.



19.4471, 24.1674, 13.5376



32.3684, 41.7156, 19.6169



16.3965, 22.5947, 13.3949



5.6277, 6.1762, 5.7849



11.9506, 19.0534, 3.0478



0.1394, 0.1951, 0.0303

Inverse Universe

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



15.3066, 12.8805, 27.2720



23.9694, 18.8085, 47.4950



18.9246, 14.7457, 27.4413



5.3268, 5.3567, 6.7819



5.9955, 2.5844, 23.1599



0.0813, 0.0371, 0.2225

Previews

White Background



This preview shows how the XYZ color 19.4465, 24.1663, 13.5371 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 19.4465, 24.1663, 13.5371 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 19.4465, 24.1663, 13.5371

Background



This preview shows how black text looks on a background with the XYZ color 19.4465, 24.1663, 13.5371.



This preview shows how white text looks on a background with the XYZ color 19.4465, 24.1663,

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

19.4465, 24.1663, 13.5371

Protanopia

22.2795, 24.1435, 12.7184

Deuteranopia

24.3678, 23.9822, 13.9344



Tritanopia

22.9055, 24.0704, 30.6329

Trichromacy



Original Color

19.4465, 24.1663, 13.5371

Protanomaly

21.2082, 24.2166, 13.0077

Deuteranomaly

22.3549, 23.9515, 13.8008

Tritanomaly

21.4586, 24.1189, 23.2631

Monochromacy



Original Color

19.4465, 24.1663, 13.5371

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.4299, 22.8232, 19.8515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4465, 24.1663, 13.5371 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(121, 142, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 142, 91) }
```

Border

The CSS property to change the border of an element to XYZ 19.4465, 24.1663, 13.5371 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, 91) }
```


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

```
.border{ border-color:rgb(121, 142, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 142, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 142, 91);  
box-shadow:4px 4px 4px 4px rgb(121, 142,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4465, 24.1663, 13.5371 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, 91) }
```

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

```
.background{ background-color: rgb(121,  
142, 91) }
```

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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