

Converting Colors

XYZ(19.9195, 19.8970, 16.4208)

Have a look what the booklet for
XYZ(19.9195, 19.8970, 16.4208)
contains.

XYZ(19.9655, 19.9625, 16.4365)	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(19.9655, 19.9625,
16.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	8B786A
RGB	139, 120, 106
RGB Percent	55%, 47%, 42%
CMY	0.4549, 0.5294, 0.5843
CMYK	0.00, 0.14, 0.24, 0.45
HSL	25°, 13%, 48%
HSV	25°, 24%, 55%
XYZ	19.9655, 19.9625, 16.4365
YIQ	124.0850, 15.8180, -0.3260

Conversions

Conversions Part 2

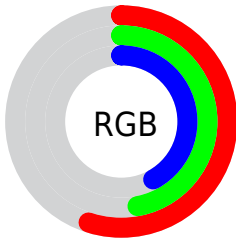
Format	Color
R_{YB}	139, 130, 106
Decimal	9140330
CIE _{Lab}	51.79, 5.01, 10.40
CIE _{LCh}	52, 11.539, 64.293
Yxy	19.9625, 0.3542, 0.3542
Android (android.graphics.Color)	4287330410 (0xFF8B786A)
YUV	124.0850, -8.9159, 13.0805
Hunter-Lab	44.6794, 1.5758, 9.4642

Details

The XYZ color **19.9655, 19.9625, 16.4365** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9376, 19.5951, 27.2632**, and the grayscale version is **19.2120, 20.2126, 22.0115**.

A 20% lighter version of the original color is **42.8306, 43.2768, 37.9941**, and **7.1313, 7.0252, 5.1178** is the 20% darker color. If you saturate the color by 10%, you get **18.3781, 17.8521, 12.6255**, and if you desaturate by 10%, it is **21.7516, 22.2824, 20.8923**.

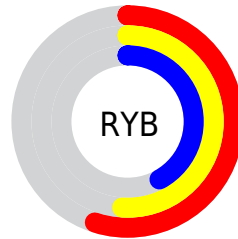
Distribution



Red (55%)

Green (47%)

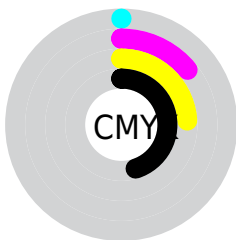
Blue (42%)



Red (55%)

Yellow (51%)

Blue (42%)

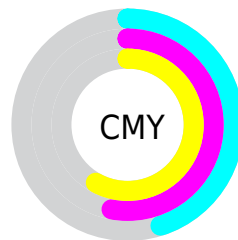


Cyan (0%)

Magenta (14%)

Yellow (24%)

Black (45%)



Cyan (45%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9655, 19.9625, 16.4365 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 19.9655, 19.9625, 16.4365 by changing the saturation by 10% instead.

■ 19.9655, 19.9625,
16.4365

■ 19.9655, 19.9625,
16.4365

244.5654,
251.7120, 243.8368

■ 12.4781, 12.3678,
9.6759

■ 42.8637, 43.3543,
38.1316

■ 7.1447, 6.9947,
5.0818

■ 59.0052, 59.9202,
53.9032

■ 3.5999, 3.4588,
2.2358

■ 78.7622, 80.2452,
73.5155

■ 1.4784, 1.3757,
0.6949

■ 102.4999,
104.7139, 97.3871

■ 0.3110, 0.1987,
0.0000

130.5837,
133.7105, 125.9365

■ 0.0000, 0.0000,
0.0000

163.3790,

167.6194, 159.5822

201.2511,
206.8252, 198.7428

■ 19.9655, 19.9625,
16.4365

■ 19.9655, 19.9625,
16.4365

■ 18.3781, 17.8521,
12.6255

■ 21.7516, 22.2824,
20.8923

■ 16.9802, 15.9425,
9.4278

■ 23.7420, 24.8151,
26.0200

■ 15.7642, 14.2279,
6.8109

■ 25.9439, 27.5671,
31.8467

■ 14.7213, 12.7015,
4.7389

■ 28.3639, 30.5437,
38.3974

■ 13.8419, 11.3558,
3.1718

■ 31.0079, 33.7502,
45.6962

■ 13.1151, 10.1829,
2.0640

■ 33.8820, 37.1916,
53.7658

■ 12.5280, 9.1737,
1.3602

■ 36.9918, 40.8728,
62.6280

■ 12.2106, 8.6150,
1.0193

■ 40.3428, 44.7984,
72.3038

■ 43.9401, 48.9731,
82.8134

Harmonies

Analogous

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



20.8919, 19.9625, 18.3070



19.9655, 19.9625, 16.4365



18.8060, 19.9625, 15.9280

Triad

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



19.9655, 19.9625, 16.4365



16.8196, 19.9625, 22.2212



20.2685, 19.9625, 27.4993

Complementary

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



19.9655, 19.9625, 16.4365



17.9376, 19.5951, 27.2632

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.



19.1425, 19.9625, 28.8073



19.9655, 19.9625, 16.4365



17.1768, 19.9625, 25.5679

Square

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



19.9655, 19.9625, 16.4365



17.0198, 19.9625, 19.0614



18.0154, 19.9625, 28.0668



21.0718, 19.9625, 24.6492

Rectangle

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



19.9655, 19.9625, 16.4365



18.0640, 19.9625, 16.3808



18.0154, 19.9625, 28.0668



19.9135, 19.9625, 28.1465

Sweetspot

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



19.9660, 19.9634, 16.4369



41.2594, 42.8482, 43.3259



19.5194, 17.2844, 21.7936



9.4665, 9.8217, 9.8783



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.



19.9660, 19.9634, 16.4369



34.3275, 33.8642, 25.9718



22.0887, 24.2087, 17.1445



5.1959, 5.3747, 5.3160



11.0369, 7.8081, 0.9254



0.0873, 0.0799, 0.0108

Inverse Universe

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



17.9376, 19.5951, 27.2632



30.0974, 33.0946, 48.5446



16.0463, 15.8125, 26.6328



4.9980, 5.3389, 6.3729



6.8137, 6.8977, 23.0179



0.0598, 0.0749, 0.1578

Previews

White Background



This preview shows how the XYZ color 19.9655, 19.9625, 16.4365 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 19.9655, 19.9625, 16.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

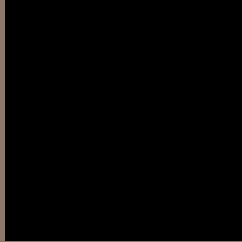
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9655, 19.9625, 16.4365

Background



This preview shows how black text looks on a background with the XYZ color 19.9655, 19.9625, 16.4365.

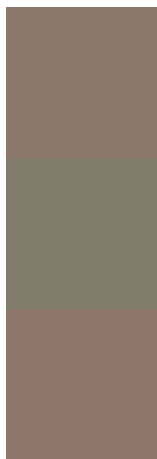


This preview shows how white text looks on a background with the XYZ color 19.9655, 19.9625,

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

19.9655, 19.9625, 16.4365

Protanopia

18.8430, 19.9158, 17.0383

Deuteranopia

20.3537, 19.9850, 16.4204



Tritanopia

21.1117, 19.8917, 22.4654

Trichromacy



Original Color

19.9655, 19.9625, 16.4365

Protanomaly

19.2862, 19.9671, 16.7475

Deuteranomaly

20.1828, 19.8970, 16.4124

Tritanomaly

20.6234, 19.8642, 20.2000

Monochromacy



Original Color

19.9655, 19.9625, 16.4365

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3471, 20.1174, 19.6930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9655, 19.9625, 16.4365 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(139, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(139, 120, 106)  
}
```

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(139, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 120, 106) }
```

Border

The CSS property to change the border of an element to XYZ 19.9655, 19.9625, 16.4365 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(139, 120, 106) }
```


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

```
.border{ border-color:rgb(139, 120, 106) }
```

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

Here you see how a box with a 4 pixel rgb(139, 120, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 120, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 120, 106);  
box-shadow:4px 4px 4px 4px rgb(139, 120,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9655, 19.9625, 16.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 120, 106) }
```

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

```
.background{ background-color: rgb(139,  
120, 106) }
```

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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