

Converting Colors

XYZ(20.5441, 22.3356, 17.2332)

Have a look what the booklet for
XYZ(20.5441, 22.3356, 17.2332)
contains.

XYZ(20.6017, 22.3625, 17.1405)	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(20.6017, 22.3625,
17.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	86836B
RGB	134, 131, 107
RGB Percent	53%, 51%, 42%
CMY	0.4745, 0.4863, 0.5804
CMYK	0.00, 0.02, 0.20, 0.47
HSL	53°, 11%, 47%
HSV	53°, 20%, 53%
XYZ	20.6017, 22.3625, 17.1405
YIQ	129.1610, 9.4920, -6.8280

Conversions

Conversions Part 2

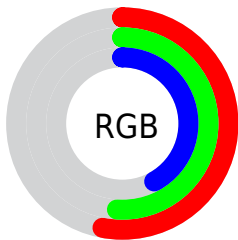
Format	Color
RYB	110, 134, 107
Decimal	8815467
CIELab	54.41, -3.14, 13.41
CIElCh	54, 13.769, 103.188
Yxy	22.3625, 0.3428, 0.3721
Android (android.graphics.Color)	4287005547 (0xFF86836B)
YUV	129.1610, -10.9254, 4.2438
Hunter-Lab	47.2890, -4.9913, 11.6119

Details

The XYZ color **20.6017, 22.3625, 17.1405** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9424, 15.9986, 24.8023**, and the grayscale version is **20.9580, 22.0494, 24.0118**.

A 20% lighter version of the original color is **43.8056, 47.3144, 39.1715**, and **7.4891, 8.2456, 5.4718** is the 20% darker color. If you saturate the color by 10%, you get **19.7525, 21.7062, 13.6447**, and if you desaturate by 10%, it is **21.5642, 23.0702, 21.2137**.

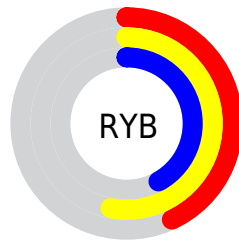
Distribution



Red (53%)

Green (51%)

Blue (42%)



Red (43%)

Yellow (53%)

Blue (42%)

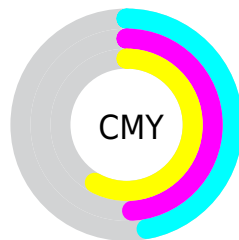


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6017, 22.3625, 17.1405 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 20.6017, 22.3625, 17.1405 by changing the saturation by 10% instead.

■ 20.6017, 22.3625,
17.1405

■ 20.6017, 22.3625,
17.1405

247.9261,
264.4335, 248.0520

■ 12.9440, 14.1235,
10.1717

■ 43.9200, 47.3444,
39.3611

■ 7.4667, 8.2066,
5.4059

■ 60.3113, 64.8561,
55.4501

■ 3.8046, 4.2274,
2.4244

■ 80.3444, 86.2275,
75.4161

■ 1.5922, 1.8016,
0.7997

■ 104.3848,
111.8429, 99.6778

■ 0.3873, 0.4882,
0.0000

132.7979,
142.0869, 128.6537

■ 0.0000, 0.0000,
0.0000

165.9488,

177.3437, 162.7624

204.2031,
217.9978, 202.4223

■ 20.6017, 22.3625,
17.1405

■ 20.6017, 22.3625,
17.1405

■ 19.7525, 21.7062,
13.6447

■ 21.5642, 23.0702,
21.2137

■ 19.0099, 21.0964,
10.6985

■ 22.6430, 23.8283,
25.8876

■ 18.3690, 20.5317,
8.2738

■ 23.8430, 24.6395,
31.1859

■ 17.8239, 20.0100,
6.3396

■ 25.1686, 25.5056,
37.1308

■ 17.3680, 19.5284,
4.8615

■ 26.6236, 26.4281,
43.7431

■ 16.9941, 19.0841,
3.8008

■ 28.2119, 27.4087,
51.0429

■ 16.6934, 18.6736,
3.1121

■ 29.9372, 28.4487,
59.0493

■ 16.4434, 18.2921,
2.6641

■ 31.8029, 29.5496,
67.7809

■ 33.8125, 30.7128,
77.2553

Harmonies

Analogous

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



22.1026, 22.3625, 17.2480



20.6017, 22.3625, 17.1405



19.3359, 22.3625, 18.7941

Triad

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



20.6017, 22.3625, 17.1405



19.2147, 22.3625, 30.4706



24.1461, 22.3625, 26.8247

Complementary

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



20.6017, 22.3625, 17.1405



15.9424, 15.9986, 24.8023

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.



23.2968, 22.3625, 30.9029



20.6017, 22.3625, 17.1405



20.4291, 22.3625, 33.1720

Square

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



20.6017, 22.3625, 17.1405



18.5609, 22.3625, 26.2885



21.9217, 22.3625, 33.3389



24.1977, 22.3625, 22.5073

Rectangle

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



20.6017, 22.3625, 17.1405



18.7762, 22.3625, 20.7998



21.9217, 22.3625, 33.3389



23.9427, 22.3625, 28.2805

Sweetspot

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



20.6023, 22.3635, 17.1410



38.7319, 41.1725, 40.5542



17.9121, 16.7131, 17.0769



8.7038, 9.2602, 9.0409



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.



20.6023, 22.3635, 17.1410



35.6194, 38.8843, 27.3804



19.4409, 22.3710, 17.2036



4.9968, 5.3371, 4.9962



15.4146, 17.1518, 2.4982



0.0565, 0.0657, 0.0097

Inverse Universe

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



15.9424, 15.9986, 24.8023



25.9247, 25.6430, 43.3216



16.9443, 16.0431, 24.7580



4.4731, 4.6217, 5.8571



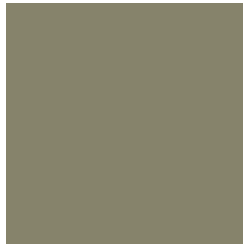
4.1956, 1.9390, 21.2898



0.0170, 0.0117, 0.0746

Previews

White Background



This preview shows how the XYZ color 20.6017, 22.3625, 17.1405 looks on a white background.

Color Contrast Check

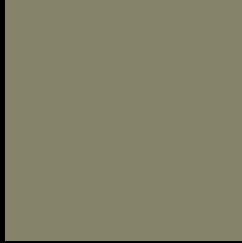
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6017, 22.3625, 17.1405 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

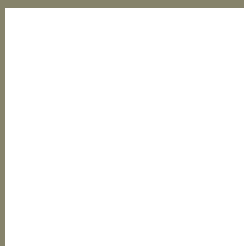
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6017, 22.3625, 17.1405

Background



This preview shows how black text looks on a background with the XYZ color 20.6017, 22.3625, 17.1405.

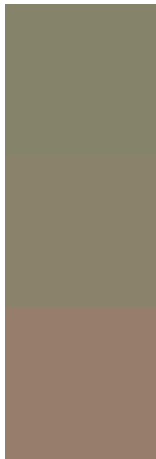


This preview shows how white text looks on a background with the XYZ color 20.6017, 22.3625,

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

20.6017, 22.3625, 17.1405

Protanopia

21.0654, 22.4091, 16.8508

Deuteranopia

22.6181, 22.2340, 17.2868



Tritanopia

22.5860, 22.3882, 26.7978

Trichromacy



Original Color

20.6017, 22.3625, 17.1405

Protanomaly

20.9007, 22.3242, 16.8431

Deuteranomaly

21.7977, 22.1907, 17.3217

Tritanomaly

21.8016, 22.2631, 22.8868

Monochromacy



Original Color

20.6017, 22.3625, 17.1405

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7939, 22.1710, 21.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6017, 22.3625, 17.1405 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(134, 131, 107)` looks like.

```
.text, #text, p{  
    color:rgb(134, 131, 107)  
}
```

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(134, 131, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 131, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.6017, 22.3625, 17.1405 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(134, 131, 107) }
```


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

```
.border{ border-color:rgb(134, 131, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 131, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 131, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 131, 107);  
box-shadow:4px 4px 4px 4px rgb(134, 131,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6017, 22.3625, 17.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 131, 107) }
```

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

```
.background{ background-color: rgb(134,  
131, 107) }
```

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