

Converting Colors

XYZ(20.4921, 22.5161, 18.3692)

Have a look what the booklet for
XYZ(20.4921, 22.5161, 18.3692)
contains.

XYZ(20.4806, 22.4755, 18.2977)	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(20.4806, 22.4755,
18.2977)**

Conversions

Conversions Part 1

Format	Color
Hex	83846F
RGB	131, 132, 111
RGB Percent	51%, 52%, 44%
CMY	0.4863, 0.4823, 0.5647
CMYK	0.01, 0.00, 0.16, 0.48
HSL	63°, 9%, 48%
HSV	63°, 16%, 52%
XYZ	20.4806, 22.4755, 18.2977
YIQ	129.3070, 6.1450, -6.7430

Conversions

Conversions Part 2

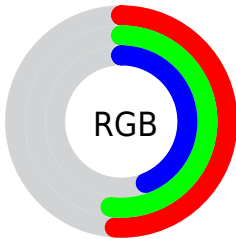
Format	Color
R_{YB}	111, 132, 112
Decimal	8619119
CIE Lab	54.53, -4.24, 11.23
CIE LCh	55, 12.006, 110.686
Yxy	22.4755, 0.3344, 0.3669
Android (android.graphics.Color)	4286809199 (0xFF83846F)
YUV	129.3070, -9.0254, 1.4848
Hunter-Lab	47.4083, -5.8518, 10.3023

Details

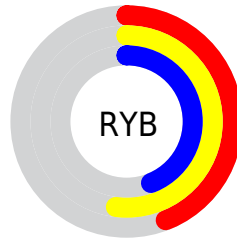
The XYZ color **20.4806, 22.4755, 18.2977** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.5322, 16.4802, 24.1406**, and the grayscale version is **21.0036, 22.0974, 24.0641**.

A 20% lighter version of the original color is **43.7270, 47.5326, 41.5204**, and **7.3838, 8.2947, 5.9145** is the 20% darker color. If you saturate the color by 10%, you get **19.7098, 22.1567, 14.7439**, and if you desaturate by 10%, it is **21.3606, 22.8396, 22.4183**.

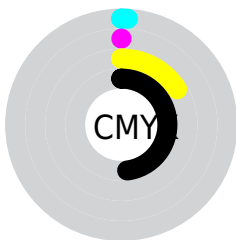
Distribution



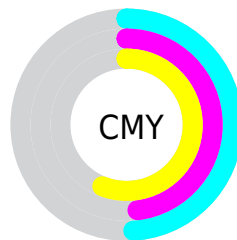
- Red (51%)
- Green (52%)
- Blue (44%)



- Red (44%)
- Yellow (52%)
- Blue (44%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4806, 22.4755, 18.2977 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 20.4806, 22.4755, 18.2977 by changing the saturation by 10% instead.

■ 20.4806, 22.4755,
18.2977

■ 20.4806, 22.4755,
18.2977

247.2894,
265.0195, 254.8359

■ 12.8552, 14.2067,
10.9923

■ 43.7193, 47.5306,
41.3647

■ 7.4052, 8.2646,
5.9475

■ 60.0633, 65.0858,
57.9634

■ 3.7653, 4.2647,
2.7449

■ 80.0442, 86.5052,
78.4969

■ 1.5703, 1.8227,
0.9659

■ 104.0273,
112.1732, 103.3838

■ 0.3729, 0.5013,
0.0000

132.3780,
142.4742, 133.0426

■ 0.0000, 0.0000,
0.0000

165.4617,

177.7927, 167.8919

203.6437,
218.5130, 208.3501

■ 20.4806, 22.4755,
18.2977

■ 20.4806, 22.4755,
18.2977

■ 19.7098, 22.1567,
14.7439

■ 21.3606, 22.8396,
22.4183

■ 19.0417, 21.8783,
11.7307

■ 22.3525, 23.2477,
27.1275

■ 18.4720, 21.6393,
9.2320

■ 23.4610, 23.7026,
32.4476

■ 17.9950, 21.4375,
7.2191

■ 24.6901, 24.2057,
38.3994

■ 17.6049, 21.2705,
5.6603

■ 26.0435, 24.7586,
45.0027

■ 17.2949, 21.1355,
4.5203

■ 27.5247, 25.3628,
52.2765

■ 17.0573, 21.0297,
3.7584

■ 29.1374, 26.0196,
60.2389

■ 16.8795, 20.9478,
3.3087

■ 30.8847, 26.7303,
68.9074

■ 16.8120, 20.9164,
3.1512

■ 32.7699, 27.4963,
78.2989

Harmonies

Analogous

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



21.7745, 22.4755, 17.9931



20.4806, 22.4755, 18.2977



19.4633, 22.4755, 20.1607

Triad

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



20.4806, 22.4755, 18.2977



19.7985, 22.4755, 30.5196



23.9586, 22.4755, 25.6640

Complementary

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



20.4806, 22.4755, 18.2977



16.5322, 16.4802, 24.1406

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.



23.3810, 22.4755, 29.3578



20.4806, 22.4755, 18.2977



20.9553, 22.4755, 32.3448

Square

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



20.4806, 22.4755, 18.2977



19.0808, 22.4755, 27.1230



22.2689, 22.4755, 31.8991



23.8187, 22.4755, 21.9996

Rectangle

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



20.4806, 22.4755, 18.2977



19.0616, 22.4755, 22.1520



22.2689, 22.4755, 31.8991



23.8410, 22.4755, 26.9486

Sweetspot

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



20.4812, 22.4765, 18.2982



37.7569, 40.2842, 40.1115



18.1468, 17.5760, 17.4753



8.7674, 9.3694, 9.2292



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.



20.4812, 22.4765, 18.2982



35.5769, 39.3837, 29.9192



18.9785, 21.7018, 18.2279



5.0184, 5.4120, 5.0095



16.2787, 20.2519, 3.0510



0.0581, 0.0710, 0.0106

Inverse Universe

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



16.5322, 16.4802, 24.1406



27.2855, 26.7933, 42.1867



17.9044, 17.1875, 24.2048



4.4535, 4.5544, 5.8451



4.1103, 1.6531, 21.2391



0.0155, 0.0064, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.4806, 22.4755, 18.2977 looks on a white background.

Color Contrast Check

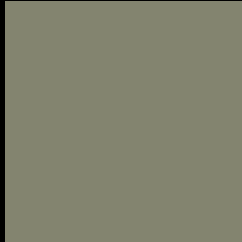
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4806, 22.4755, 18.2977 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

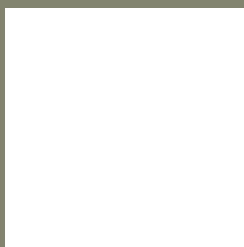
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4806, 22.4755, 18.2977

Background



This preview shows how black text looks on a background with the XYZ color 20.4806, 22.4755, 18.2977.

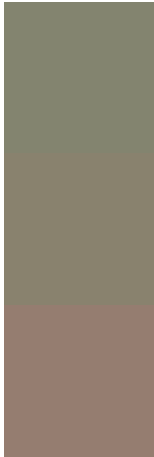


This preview shows how white text looks on a background with the XYZ color 20.4806, 22.4755,

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

20.4806, 22.4755, 18.2977

Protanopia

21.1136, 22.4094, 17.9645

Deuteranopia

22.6527, 22.2266, 18.4255



Tritanopia

22.2983, 22.4242, 27.1978

Trichromacy



Original Color

20.4806, 22.4755, 18.2977

Protanomaly

20.9224, 22.5093, 17.9938

Deuteranomaly

21.7991, 22.3590, 18.4960

Tritanomaly

21.5781, 22.3274, 23.5944

Monochromacy



Original Color

20.4806, 22.4755, 18.2977

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7014, 22.1162, 21.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4806, 22.4755, 18.2977 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(131, 132, 111)` looks like.

```
.text, #text, p{  
    color:rgb(131, 132, 111)  
}
```

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(131, 132, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.4806, 22.4755, 18.2977 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(131, 132, 111) }
```


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

```
.border{ border-color:rgb(131, 132, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 132, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 111);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4806, 22.4755, 18.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 111) }
```

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

```
.background{ background-color: rgb(131,  
132, 111) }
```

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