

Converting Colors

XYZ(18.8502, 20.7491, 18.0287)

Have a look what the booklet for
XYZ(18.8502, 20.7491, 18.0287)
contains.

XYZ(18.9006, 20.8711, 18.0713)	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(18.9006, 20.8711,
18.0713)**

Conversions

Conversions Part 1

Format	Color
Hex	7C806F
RGB	124, 128, 111
RGB Percent	49%, 50%, 44%
CMY	0.5137, 0.4980, 0.5647
CMYK	0.03, 0.00, 0.13, 0.50
HSL	74°, 7%, 47%
HSV	74°, 13%, 50%
XYZ	18.9006, 20.8711, 18.0713
YIQ	124.8660, 3.0730, -6.1350

Conversions

Conversions Part 2

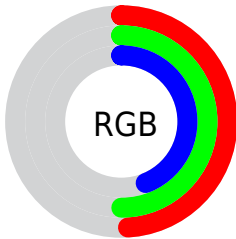
Format	Color
RYB	111, 128, 115
Decimal	8159343
CIELab	52.81, -4.74, 8.72
CIELCh	53, 9.930, 118.536
Yxy	20.8711, 0.3268, 0.3608
Android (android.graphics.Color)	4286349423 (0xFF7C806F)
YUV	124.8660, -6.8359, -0.7595
Hunter-Lab	45.6849, -6.1002, 8.5264

Details

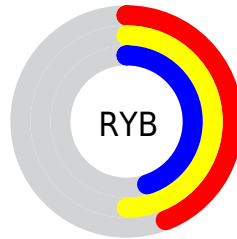
The XYZ color **18.9006, 20.8711, 18.0713** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6517, 16.5728, 22.7444**, and the grayscale version is **19.4699, 20.4839, 22.3069**.

A 20% lighter version of the original color is **41.2662, 45.0392, 41.1688**, and **6.5948, 7.4467, 5.7924** is the 20% darker color. If you saturate the color by 10%, you get **17.8171, 20.3888, 14.6014**, and if you desaturate by 10%, it is **20.0996, 21.4025, 22.0747**.

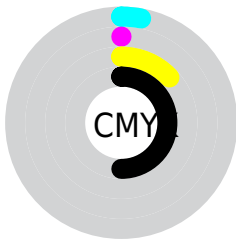
Distribution



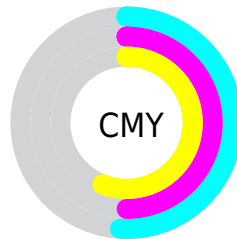
- Red (49%)
- Green (50%)
- Blue (44%)



- Red (44%)
- Yellow (50%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (50%)



- Cyan (51%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9006, 20.8711, 18.0713 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 18.9006, 20.8711, 18.0713 by changing the saturation by 10% instead.

■ 18.9006, 20.8711,
18.0713

■ 18.9006, 20.8711,
18.0713

238.8481,
256.5927, 253.5222

■ 11.7021, 13.0298,
10.8312

■ 41.0842, 44.8729,
40.9744

■ 6.6119, 7.4491,
5.8407

■ 56.8000, 61.8022,
57.4744

■ 3.2647, 3.7445,
2.6812

■ 76.0857, 82.5297,
77.8982

■ 1.2953, 1.5317,
0.9340

■ 99.3064, 107.4396,
102.6643

■ 0.1797, 0.3109,
0.0000

126.8277,
136.9165, 132.1912

■ 0.0000, 0.0000,
0.0000

159.0148,

171.3447, 166.8975

196.2332,
211.1087, 207.2016

■ 18.9006, 20.8711,
18.0713

■ 18.9006, 20.8711,
18.0713

■ 17.8171, 20.3888,
14.6014

■ 20.0996, 21.4025,
22.0747

■ 16.8429, 19.9512,
11.6412

■ 21.4165, 21.9819,
26.6316

■ 15.9740, 19.5571,
9.1670

■ 22.8558, 22.6118,
31.7622

■ 15.2053, 19.2046,
7.1527

■ 24.4213, 23.2937,
37.4858

■ 14.5313, 18.8914,
5.5698

■ 26.1164, 24.0291,
43.8204

■ 13.9457, 18.6151,
4.3866

■ 27.9446, 24.8194,
50.7834

■ 13.4416, 18.3729,
3.5669

■ 29.9091, 25.6658,
58.3916

■ 13.0106, 18.1613,
3.0667

■ 32.0132, 26.5696,
66.6609

■ 12.7426, 18.0286,
2.8083

■ 34.2599, 27.5321,
75.6068

Harmonies

Analogous

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



19.8883, 20.8711, 17.4843



18.9006, 20.8711, 18.0713



18.1858, 20.8711, 19.8747

Triad

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



18.9006, 20.8711, 18.0713



18.8154, 20.8711, 27.9485



21.8967, 20.8711, 22.8712

Complementary

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



18.9006, 20.8711, 18.0713



16.6517, 16.5728, 22.7444

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.



21.5860, 20.8711, 25.8358



18.9006, 20.8711, 18.0713



19.7865, 20.8711, 28.9206

Square

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



18.9006, 20.8711, 18.0713



18.1378, 20.8711, 25.5617



20.8046, 20.8711, 28.1162



21.6399, 20.8711, 20.1065

Rectangle

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



18.9006, 20.8711, 18.0713



17.9479, 20.8711, 21.6096



20.8046, 20.8711, 28.1162



21.8550, 20.8711, 23.8782

Sweetspot

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



18.9012, 20.8720, 18.0718



35.2082, 37.6017, 38.2577



17.8990, 17.9914, 17.5686



8.2092, 8.7886, 8.8420



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9012, 20.8720, 18.0718



32.6667, 36.4753, 29.8330



17.7297, 20.2681, 18.0169



4.5695, 4.9700, 4.6386



12.6358, 17.8764, 2.7845



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6517, 16.5728, 22.7444



27.8866, 27.3387, 39.7634



17.8167, 17.1734, 22.7989



4.1963, 4.2568, 5.4137



4.3993, 1.8216, 20.3697



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9006, 20.8711, 18.0713 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 18.9006, 20.8711, 18.0713 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

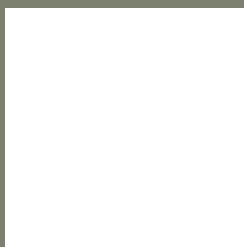
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9006, 20.8711, 18.0713

Background



This preview shows how black text looks on a background with the XYZ color 18.9006, 20.8711, 18.0713.



This preview shows how white text looks on a background with the XYZ color 18.9006, 20.8711,

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

18.9006, 20.8711, 18.0713

Protanopia

19.7910, 20.9530, 17.7531

Deuteranopia

21.0897, 20.6842, 18.2101



Tritanopia

20.3891, 20.9005, 25.5138

Trichromacy



Original Color

18.9006, 20.8711, 18.0713

Protanomaly

19.4571, 20.9717, 17.7743

Deuteranomaly

20.2856, 20.8194, 18.2786

Tritanomaly

19.8309, 20.8637, 22.7206

Monochromacy



Original Color

18.9006, 20.8711, 18.0713

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3085, 20.6377, 20.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9006, 20.8711, 18.0713 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(124, 128, 111)` looks like.

```
.text, #text, p{  
    color:rgb(124, 128, 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(124, 128, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 128, 111) }
```

Border

The CSS property to change the border of an element to XYZ 18.9006, 20.8711, 18.0713 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(124, 128, 111) }
```


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

```
.border{ border-color:rgb(124, 128, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 128, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 128, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 128, 111);  
box-shadow:4px 4px 4px 4px rgb(124, 128,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9006, 20.8711, 18.0713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 128, 111) }
```

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

```
.background{ background-color: rgb(124,  
128, 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