

Converting Colors

XYZ(20.1757, 22.1164, 22.8714)

Have a look what the booklet for
XYZ(20.1757, 22.1164, 22.8714)
contains.

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Color

**XYZ(20.1855, 22.2198,
22.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	7B847E
RGB	123, 132, 126
RGB Percent	48%, 52%, 49%
CMY	0.5176, 0.4823, 0.5059
CMYK	0.07, 0.00, 0.05, 0.48
HSL	140°, 4%, 50%
HSV	140°, 7%, 52%
XYZ	20.1855, 22.2198, 22.9636
YIQ	128.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

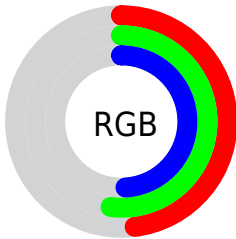
Format	Color
R_{YB}	123, 130, 132
Decimal	8094846
CIE _{Lab}	54.26, -4.53, 2.09
CIE _{LCh}	54, 4.989, 155.250
Yxy	22.2198, 0.3088, 0.3399
Android (android.graphics.Color)	4286284926 (0xFF7B847E)
YUV	128.6250, -1.2941, -4.9331
Hunter-Lab	47.1379, -6.0536, 4.1129

Details

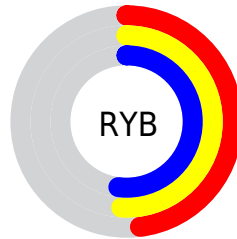
The XYZ color **20.1855, 22.2198, 22.9636** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.5619, 20.6569, 23.6734**, and the grayscale version is **20.7409, 21.8210, 23.7631**.

A 20% lighter version of the original color is **43.1648, 47.0666, 49.4575**, and **7.2569, 8.1782, 8.2172** is the 20% darker color. If you saturate the color by 10%, you get **17.8799, 21.0946, 20.0206**, and if you desaturate by 10%, it is **22.7970, 23.4981, 26.1827**.

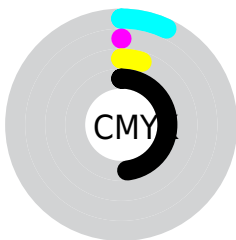
Distribution



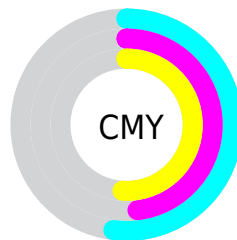
- Red (48%)
- Green (52%)
- Blue (49%)



- Red (48%)
- Yellow (51%)
- Blue (52%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1855, 22.2198, 22.9636 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 20.1855, 22.2198, 22.9636 by changing the saturation by 10% instead.

■ 20.1855, 22.2198,
22.9636

■ 20.1855, 22.2198,
22.9636

245.7320,
263.6920, 280.6538

■ 12.6390, 14.0185,
14.3616

■ 43.2295, 47.1090,
49.2560

■ 7.2557, 8.1335,
8.2310

■ 59.4578, 64.5657,
67.7834

■ 3.6703, 4.1805,
4.1532

■ 79.3107, 85.8763,
90.4565

■ 1.5173, 1.7750,
1.7098

103.1536,
111.4252, 117.6936

■ 0.3376, 0.4715,
0.3674

131.3518,
141.5969, 149.9133

■ 0.0000, 0.0000,
0.0000

164.2707,

176.7756, 187.5343

202.2757,
217.3459, 230.9749

■ 20.1855, 22.2198,
22.9636

■ 20.1855, 22.2198,
22.9636

■ 17.8799, 21.0946,
20.0206

■ 22.7970, 23.4981,
26.1827

■ 15.8670, 20.1141,
17.3450

■ 25.7232, 24.9322,
29.6834

■ 14.1352, 19.2729,
14.9298

■ 28.9752, 26.5282,
33.4729

■ 12.6714, 18.5647,
12.7671

■ 32.5626, 28.2909,
37.5577

■ 11.4618, 17.9823,
10.8486

■ 36.4948, 30.2250,
41.9439

■ 10.4908, 17.5180,
9.1656

■ 40.7809, 32.3351,
46.6377

■ 9.7414, 17.1631,
7.7088

■ 45.4294, 34.6255,
51.6450

■ 9.1939, 16.9078,
6.4683

■ 50.4488, 37.1004,
56.9715

■ 8.8131, 16.7340,
5.4328

■ 55.8471, 39.7638,
62.6228

Harmonies

Analogous

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



20.5226, 22.2198, 21.8337



20.1855, 22.2198, 22.9636



20.0969, 22.2198, 24.4681

Triad

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



20.1855, 22.2198, 22.9636



21.2149, 22.2198, 27.2940



21.9831, 22.2198, 22.5091

Complementary

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



20.1855, 22.2198, 22.9636



20.5619, 20.6569, 23.6734

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.



22.1758, 22.2198, 23.9211



20.1855, 22.2198, 22.9636



21.7274, 22.2198, 26.7177

Square

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



20.1855, 22.2198, 22.9636



20.6853, 22.2198, 27.0110



22.0814, 22.2198, 25.4667



21.5592, 22.2198, 21.5792

Rectangle

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



20.1855, 22.2198, 22.9636



20.1892, 22.2198, 25.4912



22.0814, 22.2198, 25.4667



22.0774, 22.2198, 22.9408

Sweetspot

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



20.1861, 22.2207, 22.9641



37.6839, 40.1804, 43.0951



20.9033, 22.6125, 22.0021



8.7886, 9.3622, 10.0519



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.



20.1861, 22.2207, 22.9641



34.9730, 38.8549, 39.7165



20.4731, 22.3356, 24.4755



4.6756, 5.2285, 5.3029



8.4316, 16.1555, 4.9924



0.0323, 0.0572, 0.0337

Inverse Universe

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



20.5619, 20.6569, 23.6734



35.7597, 35.5807, 41.2014



20.2787, 20.5437, 22.1819



4.7936, 4.7371, 5.5257



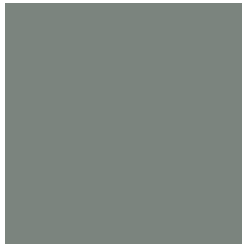
10.9220, 5.4332, 9.4276



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 20.1855, 22.2198, 22.9636 looks on a white background.

Color Contrast Check

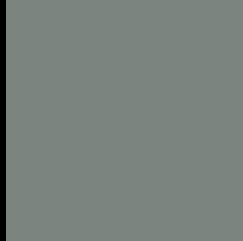
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1855, 22.2198, 22.9636 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

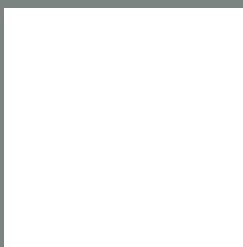
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1855, 22.2198, 22.9636

Background



This preview shows how black text looks on a background with the XYZ color 20.1855, 22.2198, 22.9636.



This preview shows how white text looks on a background with the XYZ color 20.1855, 22.2198,

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

20.1855, 22.2198, 22.9636

Protanopia

21.1612, 22.1423, 22.2274

Deuteranopia

22.4921, 22.0392, 23.1472



Tritanopia

21.1737, 22.2187, 27.9836

Trichromacy



Original Color

20.1855, 22.2198, 22.9636

Protanomaly

20.7376, 22.1131, 22.5773

Deuteranomaly

21.7033, 22.2049, 23.2208

Tritanomaly

20.8017, 22.2670, 26.1233

Monochromacy



Original Color

20.1855, 22.2198, 22.9636

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6313, 22.0358, 23.5880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1855, 22.2198, 22.9636 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(123, 132, 126)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 126)  
}
```

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(123, 132, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.1855, 22.2198, 22.9636 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(123, 132, 126) }
```


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

```
.border{ border-color:rgb(123, 132, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 132, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 126);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1855, 22.2198, 22.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 126) }
```

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

```
.background{ background-color: rgb(123,  
132, 126) }
```

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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