

Converting Colors

XYZ(20.7968, 22.0303, 18.5364)

Have a look what the booklet for
XYZ(20.7968, 22.0303, 18.5364)
contains.

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Color

**XYZ(20.7666, 22.0213,
18.4852)**

Conversions

Conversions Part 1

Format	Color
Hex	878170
RGB	135, 129, 112
RGB Percent	53%, 51%, 44%
CMY	0.4706, 0.4941, 0.5608
CMYK	0.00, 0.04, 0.17, 0.47
HSL	44°, 9%, 48%
HSV	44°, 17%, 53%
XYZ	20.7666, 22.0213, 18.4852
YIQ	128.8560, 9.0330, -4.0150

Conversions

Conversions Part 2

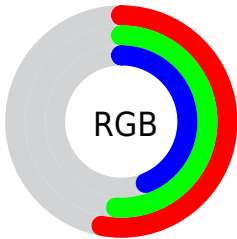
Format	Color
R_{YB}	120, 135, 112
Decimal	8880496
CIE Lab	54.05, -0.79, 10.03
CIE LCh	54, 10.063, 94.506
Yxy	22.0213, 0.3389, 0.3594
Android (android.graphics.Color)	4287070576 (0xFF878170)
YUV	128.8560, -8.3100, 5.3883
Hunter-Lab	46.9269, -3.1302, 9.4936

Details

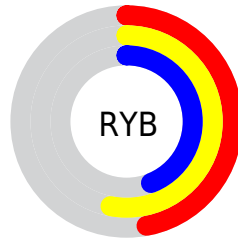
The XYZ color **20.7666, 22.0213, 18.4852** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.5336, 18.1505, 25.5012**, and the grayscale version is **20.8423, 21.9277, 23.8793**.

A 20% lighter version of the original color is **44.1678, 46.8276, 41.8327**, and **7.5404, 8.0388, 6.0047** is the 20% darker color. If you saturate the color by 10%, you get **19.6151, 20.8322, 14.6668**, and if you desaturate by 10%, it is **22.0480, 23.2894, 22.9035**.

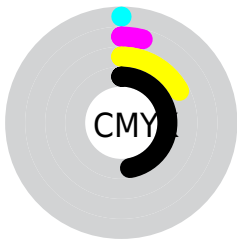
Distribution



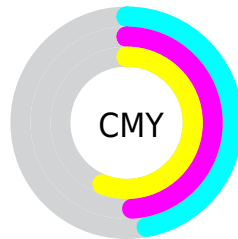
- Red (53%)
- Green (51%)
- Blue (44%)



- Red (47%)
- Yellow (53%)
- Blue (44%)



- Cyan (0%)
- Magenta (4%)
- Yellow (17%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7666, 22.0213, 18.4852 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 20.7666, 22.0213, 18.4852 by changing the saturation by 10% instead.

■ 20.7666, 22.0213,
18.4852

■ 20.7666, 22.0213,
18.4852

248.7907,
262.6575, 255.9192

■ 13.0650, 13.8726,
11.1259

■ 44.1930, 46.7812,
41.6874

■ 7.5506, 8.0321,
6.0363

■ 60.6485, 64.1611,
58.3674

■ 3.8581, 4.1155,
2.7980

■ 80.7526, 85.3869,
78.9913

■ 1.6222, 1.7384,
0.9925

■ 104.8708,
110.8430, 103.9777

■ 0.4068, 0.4483,
0.0000

133.3683,
140.9136, 133.7452

■ 0.0000, 0.0000,
0.0000

166.6106,

175.9834, 168.7122

204.9629,
216.4365, 209.2974

■ 20.7666, 22.0213,
18.4852

■ 20.7666, 22.0213,
18.4852

■ 19.6151, 20.8322,
14.6668

■ 22.0480, 23.2894,
22.9035

■ 18.5865, 19.7169,
11.4206

■ 23.4624, 24.6357,
27.9451

■ 17.6760, 18.6739,
8.7186

■ 25.0149, 26.0634,
33.6337

■ 16.8775, 17.7004,
6.5300

■ 26.7099, 27.5743,
39.9916

■ 16.1844, 16.7936,
4.8210

■ 28.5515, 29.1705,
47.0397

■ 15.5893, 15.9503,
3.5534

■ 30.5437, 30.8536,
54.7984

■ 15.0838, 15.1668,
2.6836

■ 32.6904, 32.6255,
63.2868

■ 14.6521, 14.4366,
2.1292

■ 34.9950, 34.4879,
72.5235

■ 14.5298, 14.2269,
1.9803

■ 37.4613, 36.4424,
82.5266

Harmonies

Analogous

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



21.8443, 22.0213, 18.9643



20.7666, 22.0213, 18.4852



19.7673, 22.0213, 19.3699

Triad

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



20.7666, 22.0213, 18.4852



19.2530, 22.0213, 27.5354



22.8769, 22.0213, 26.6507

Complementary

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



20.7666, 22.0213, 18.4852



17.5336, 18.1505, 25.5012

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.



22.1386, 22.0213, 29.2632



20.7666, 22.0213, 18.4852



20.0427, 22.0213, 29.8042

Square

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



20.7666, 22.0213, 18.4852



18.9129, 22.0213, 24.4514



21.0954, 22.0213, 30.4622



23.0869, 22.0213, 23.5097

Rectangle

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



20.7666, 22.0213, 18.4852



19.2726, 22.0213, 20.6633



21.0954, 22.0213, 30.4622



22.6811, 22.0213, 27.6283

Sweetspot

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



20.7672, 22.0223, 18.4857



39.9520, 42.1593, 42.6650



19.0640, 18.0507, 19.6607



9.2177, 9.7301, 9.7582



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.7672, 22.0223, 18.4857



36.4605, 38.6950, 30.6530



20.7386, 23.2149, 18.7174



4.9397, 5.2230, 4.9772



13.4092, 13.1411, 1.8297



0.0524, 0.0574, 0.0083

Inverse Universe

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



17.5336, 18.1505, 25.5012



29.6713, 30.5665, 45.3844



17.5531, 17.1452, 25.3061



4.5260, 4.7275, 5.8747



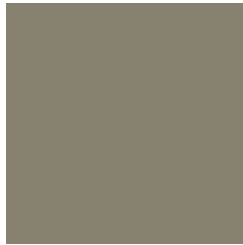
4.6021, 2.7520, 21.4253



0.0212, 0.0200, 0.0760

Previews

White Background



This preview shows how the XYZ color 20.7666, 22.0213, 18.4852 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 20.7666, 22.0213, 18.4852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

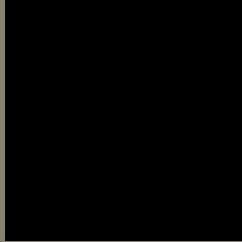
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7666, 22.0213, 18.4852

Background



This preview shows how black text looks on a background with the XYZ color 20.7666, 22.0213, 18.4852.



This preview shows how white text looks on a background with the XYZ color 20.7666, 22.0213,

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

20.7666, 22.0213, 18.4852

Protanopia

20.7666, 22.0213, 18.4852

Deuteranopia

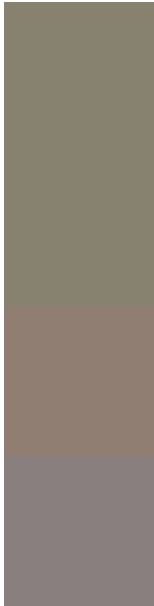
22.4010, 21.9035, 18.6699



Tritanopia

22.3860, 22.1026, 26.3789

Trichromacy



Original Color

20.7666, 22.0213, 18.4852

Protanomaly

20.7666, 22.0213, 18.4852

Deuteranomaly

21.7692, 21.9536, 18.7129

Tritanomaly

21.7367, 22.0294, 23.1851

Monochromacy



Original Color

20.7666, 22.0213, 18.4852

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7855, 21.9559, 21.8813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7666, 22.0213, 18.4852 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(135, 129, 112)` looks like.

```
.text, #text, p{  
    color:rgb(135, 129, 112)  
}
```

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(135, 129, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 129, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.7666, 22.0213, 18.4852 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(135, 129, 112) }
```


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

```
.border{ border-color:rgb(135, 129, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 129, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 129, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 129, 112);  
box-shadow:4px 4px 4px 4px rgb(135, 129,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7666, 22.0213, 18.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 129, 112) }
```

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

```
.background{ background-color: rgb(135,  
129, 112) }
```

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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