

Converting Colors

XYZ(19.7659, 22.2626, 11.2380)

Have a look what the booklet for
XYZ(19.7659, 22.2626, 11.2380)
contains.

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Color

**XYZ(19.7659, 22.2626,
11.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	878452
RGB	135, 132, 82
RGB Percent	53%, 52%, 32%
CMY	0.4706, 0.4823, 0.6784
CMYK	0.00, 0.02, 0.39, 0.47
HSL	57°, 24%, 43%
HSV	57°, 39%, 53%
XYZ	19.7659, 22.2626, 11.2380
YIQ	127.1970, 17.8380, -14.9140

Conversions

Conversions Part 2

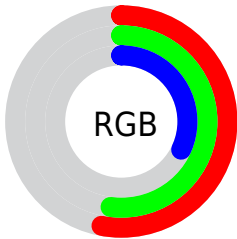
Format	Color
R_{YB}	85, 135, 82
Decimal	8881234
CIE Lab	54.30, -6.81, 27.40
CIE LCh	54, 28.232, 103.951
Yxy	22.2626, 0.3711, 0.4179
Android (android.graphics.Color)	4287071314 (0xFF878452)
YUV	127.1970, -22.2821, 6.8432
Hunter-Lab	47.1833, -7.7939, 18.9067

Details

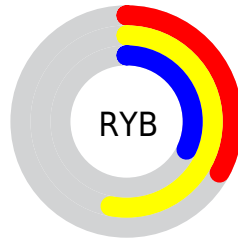
The XYZ color **19.7659, 22.2626, 11.2380** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.1013, 10.0398, 24.2744**, and the grayscale version is **20.3109, 21.3687, 23.2705**.

A 20% lighter version of the original color is **42.5001, 47.1827, 28.6970**, and **7.0679, 8.1987, 2.8791** is the 20% darker color. If you saturate the color by 10%, you get **19.1990, 21.8716, 8.7592**, and if you desaturate by 10%, it is **20.4357, 22.6975, 14.2504**.

Distribution



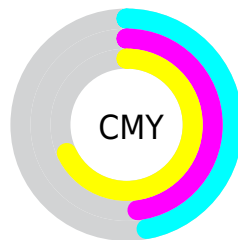
- Red (53%)
- Green (52%)
- Blue (32%)



- Red (33%)
- Yellow (53%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (39%)
- Black (47%)



- Cyan (47%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7659, 22.2626, 11.2380 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 19.7659, 22.2626, 11.2380 by changing the saturation by 10% instead.

■ 19.7659, 22.2626,
11.2380

■ 19.7659, 22.2626,
11.2380

243.5028,
263.9146, 210.0889

■ 12.3323, 14.0500,
6.1110

■ 42.5313, 47.1796,
28.7428

■ 7.0442, 8.1554,
2.8428

■ 58.5938, 64.6528,
41.9576

■ 3.5363, 4.1946,
1.0149

■ 78.2632, 85.9817,
58.7055

■ 1.4433, 1.7830,
0.0000

■ 101.9050,
111.5506, 79.4049

■ 0.2868, 0.4765,
0.0000

■ 129.8845,
141.7440, 104.4744

■ 0.0000, 0.0000,
0.0000

162.5671,

176.9461, 134.3325

200.3180,
217.5415, 169.3978

■ 19.7659, 22.2626,
11.2380

■ 19.7659, 22.2626,
11.2380

■ 19.1990, 21.8716,
8.7592

■ 20.4357, 22.6975,
14.2504

■ 18.7275, 21.5193,
6.7812

■ 21.2123, 23.1756,
17.8238

■ 18.3453, 21.2038,
5.2699

■ 22.1013, 23.6999,
21.9854

■ 18.0450, 20.9223,
4.1860

■ 23.1075, 24.2722,
26.7602

■ 17.8180, 20.6713,
3.4844

■ 24.2354, 24.8944,
32.1719

■ 17.6414, 20.4417,
3.0446

■ 25.4891, 25.5682,
38.2428

■ 17.6286, 20.4248,
3.0133

■ 26.8728, 26.2952,
44.9941

■ 28.3902, 27.0770,
52.4461

■ 30.0452, 27.9149,
60.6183

Harmonies

Analogous

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



22.8374, 22.2626, 11.3344



19.7659, 22.2626, 11.2380



17.3150, 22.2626, 13.9767

Triad

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



19.7659, 22.2626, 11.2380



17.1814, 22.2626, 37.9981



27.3676, 22.2626, 29.2307

Complementary

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



19.7659, 22.2626, 11.2380



11.1013, 10.0398, 24.2744

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.



25.5357, 22.2626, 38.5930



19.7659, 22.2626, 11.2380



19.5667, 22.2626, 44.4328

Square

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



19.7659, 22.2626, 11.2380



15.9236, 22.2626, 28.5572



22.6180, 22.2626, 44.6737



27.4342, 22.2626, 20.3818

Rectangle

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



19.7659, 22.2626, 11.2380



16.2789, 22.2626, 17.5371



22.6180, 22.2626, 44.6737



26.9304, 22.2626, 32.4648

Sweetspot

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



19.7665, 22.2636, 11.2385



39.0784, 42.1505, 37.0144



14.6701, 11.8501, 10.2203



9.0093, 9.7376, 8.3806



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.



19.7665, 22.2636, 11.2385



34.4951, 39.2489, 16.1726



16.8734, 21.3841, 11.2212



5.0178, 5.3792, 5.0032



16.2591, 18.8408, 2.7797



0.0580, 0.0687, 0.0102

Inverse Universe

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



11.1013, 10.0398, 24.2744



16.7324, 14.1950, 42.9064



13.2125, 10.7854, 24.3070



4.4541, 4.5837, 5.8507



4.1124, 1.7727, 21.2621



0.0155, 0.0087, 0.0741

Previews

White Background



This preview shows how the XYZ color 19.7659, 22.2626, 11.2380 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 19.7659, 22.2626, 11.2380 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 19.7659, 22.2626, 11.2380

Background



This preview shows how black text looks on a background with the XYZ color 19.7659, 22.2626, 11.2380.



This preview shows how white text looks on a background with the XYZ color 19.7659, 22.2626,

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

19.7659, 22.2626, 11.2380

Protanopia

20.6232, 22.3101, 11.0039

Deuteranopia

22.5182, 22.1233, 11.4709



Tritanopia

22.8185, 22.3337, 26.0298

Trichromacy



Original Color

19.7659, 22.2626, 11.2380

Protanomaly

20.2490, 22.3156, 11.0247

Deuteranomaly

21.3634, 22.0992, 11.3232

Tritanomaly

21.5190, 22.1883, 19.6716

Monochromacy



Original Color

19.7659, 22.2626, 11.2380

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9254, 21.5940, 18.1568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7659, 22.2626, 11.2380 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, 132, 82)` looks like.

```
.text, #text, p{  
    color:rgb(135, 132, 82)  
}
```

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, 132, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 132, 82) }
```

Border

The CSS property to change the border of an element to XYZ 19.7659, 22.2626, 11.2380 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, 132, 82) }
```


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

```
.border{ border-color:rgb(135, 132, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 132, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 132, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 132, 82);  
box-shadow:4px 4px 4px 4px rgb(135, 132,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7659, 22.2626, 11.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 132, 82) }
```

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

```
.background{ background-color: rgb(135,  
132, 82) }
```

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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