Converting Colors

XYZ(19.9979, 22.1359, 4.8871)

Have a look what the booklet for XYZ(19.9979, 22.1359, 4.8871) contains.

XYZ(19.9781, 22.1124, 4.8842) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(19.9781, 22.1124, 4.8842)

Conversions

Conversions Part 1

Format	Color
Hex	918224
RGB	145, 130, 36
RGB Percent	57%, 51%, 14%
CMY	0.4314, 0.4902, 0.8588
CMYK	0.00, 0.10, 0.75, 0.43
HSL	52°, 60%, 35%
HSV	52°, 75%, 57%
XYZ	19.9781, 22.1124, 4.8842
YIQ	123.7690, 39.1140, -26.0540

Conversions

Conversions Part 2

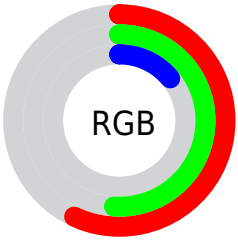
Format	Color
RYB	53, 145, 36
Decimal	9536036
CIELab	54.15, -5.07, 49.88
CIELCh	54, 50.136, 95.801
Yxy	22.1124, 0.4253, 0.4707
Android (android.graphics.Color)	4287726116 (0xFF918224)
YUV	123.7690, -43.2701, 18.6196
Hunter-Lab	47.0238, -6.4559, 26.7584

Details

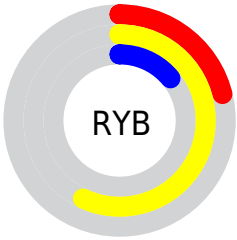
The XYZ color 19.9781, 22.1124, 4.8842 is a dark color, and the websafe version is hex 999933. A complement of this color would be 7.0222, 4.7869, 27.3417, and the grayscale version is 19.2121, 20.2127, 22.0116.

A 20% lighter version of the original color is 43.0521, 47.1281, 16.0601, and 7.2568, 8.1090, 1.1827 is the 20% darker color. If you saturate the color by 10%, you get 19.5374, 21.5165, 3.8575, and if you desaturate by 10%, it is 20.5147, 22.7566, 6.3860.

Distribution

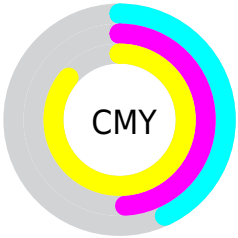


- Red (57%)
- Green (51%)
- Blue (14%)



- Red (21%)
- Yellow (57%)
- Blue (14%)

- Cyan (0%)
- Magenta (10%)
- Yellow (75%)
- Black (43%)



- Cyan (43%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9781, 22.1124, 4.8842 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 19.9781, 22.1124, 4.8842 by changing the saturation by 10% instead.

19.9781, 22.1124, 4.8842

19.9781, 22.1124, 4.8842

244.6324, 263.1327, 157.5976

12.4873, 13.9395, 2.1219

42.8847, 46.9317, 16.0025

7.1510, 8.0786, 0.6288

59.0312, 64.3469, 25.1956

3.6039, 4.1453, 0.0000

78.7936, 85.6117, 37.3694

1.4806, 1.7552, 0.0000

102.5373, 111.1104, 52.9424

0.3126, 0.4590, 0.0000

130.6277, 141.2274, 72.3332

0.0000, 0.0000, 0.0000

163.4301,

176.3473, 95.9603

201.3099, 216.8542, 124.2422

19.9781, 22.1124, 4.8842

19.5374, 21.5165, 3.8575

19.1780, 20.9605, 3.2361

19.0170, 20.6998, 2.9932

19.9781, 22.1124, 4.8842

20.5147, 22.7566, 6.3860

21.1554, 23.4499, 8.4127

21.9092, 24.1967, 11.0091

22.7835, 25.0001, 14.2150

23.7855, 25.8630, 18.0664

24.9213, 26.7878, 22.5968

26.1968, 27.7771, 27.8371

27.6178, 28.8331, 33.8165

29.1893, 29.9578, 40.5625

Harmonies

Analogous

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

25.6007, 22.1124, 5.7906

19.9781, 22.1124, 4.8842

15.4753, 22.1124, 7.0416

Triad

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

19.9781, 22.1124, 4.8842

13.6268, 22.1124, 46.1828

32.0685, 22.1124, 38.5542

Complementary

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

19.9781, 22.1124, 4.8842

7.0222, 4.7869, 27.3417

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.

27.7455, 22.1124, 57.4419

19.9781, 22.1124, 4.8842

17.0162, 22.1124, 63.0164

Square

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

19.9781, 22.1124, 4.8842

12.2372, 22.1124, 27.2315

22.0917, 22.1124, 67.8405

33.2290, 22.1124, 21.1754

Rectangle

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

19.9781, 22.1124, 4.8842

13.5016, 22.1124, 10.8636

22.0917, 22.1124, 67.8405

30.9046, 22.1124, 45.1325

Sweetspot

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

19.9786, 22.1135, 4.8846

42.9235, 46.5894, 33.6394

12.9357, 7.5327, 4.0628

9.4102, 10.2484, 6.9401

69.3244, 72.9347, 79.4259

10.7221, 11.2805, 12.2844

Same Dimension

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

19.9786, 22.1135, 4.8846

34.5441, 37.8586, 6.0971

16.4892, 23.4945, 5.3351

5.7772, 6.1607, 5.7740

16.3256, 17.7829, 2.5720

0.1674, 0.1926, 0.0284

Inverse Universe

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

7.0222, 4.7869, 27.3417

10.2551, 5.4708, 48.4890

8.5775, 4.7681, 27.2560

5.1858, 5.3673, 6.7914

4.6098, 2.2056, 23.1598

0.0533, 0.0396, 0.2245

Previews

White Background

This preview shows how the XYZ color 19.9781, 22.1124, 4.8842 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

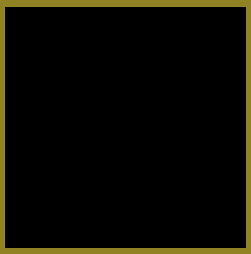
This preview shows how the XYZ color 19.9781, 22.1124, 4.8842 looks on a black background.

Color Contrast Check

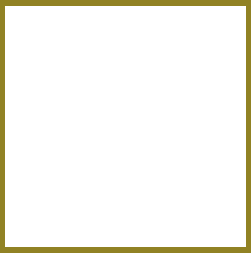
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 19.9781, 22.1124, 4.8842 Background



This preview shows how black text looks on a background with the XYZ color 19.9781, 22.1124, 4.8842.



This preview shows how white text looks on a background with the XYZ color 19.9781, 22.1124,

4.8842.

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
19.9781, 22.1124, 4.8842

Protanopia
19.9781, 22.1124, 4.8842

Deuteranopia
22.3495, 21.9938, 4.9867

Tritanopia
23.8830, 21.9888, 24.4582

Trichromacy

Original Color
19.9781, 22.1124, 4.8842

Protanomaly
19.9781, 22.1124, 4.8842

Deuteranomaly
21.5210, 22.1296, 4.9709

Tritanomaly
21.7134, 21.6494, 14.1007

Monochromacy

Original Color
19.9781, 22.1124, 4.8842

Achromatopsia
19.1579, 20.1556, 21.9495

Achromatomaly
18.9083, 20.5999, 13.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9781, 22.1124, 4.8842 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(145, 130, 36) looks like.

```
.text, #text, p{
    color:rgb(145, 130, 36)
}
```

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(145, 130, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 130, 36) }
```

Border

The CSS property to change the border of an element to XYZ 19.9781, 22.1124, 4.8842 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(145, 130, 36) }
```

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

```
.border{ border-color:rgb(145, 130, 36) }
```

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

Here you see how a box with a 4 pixel rgb(145, 130, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 130, 36); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 130, 36); box-shadow:4px 4px 4px 4px rgb(145, 130, 36) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9781, 22.1124, 4.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(145, 130, 36) }
```

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

```
.background{ background-color:rgb(145,
130, 36) }
```

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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