

Converting Colors

XYZ(20.1138, 22.6067, 8.0921)

Have a look what the booklet for
XYZ(20.1138, 22.6067, 8.0921)
contains.

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Color

**XYZ(19.9919, 22.4481,
8.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8440
RGB	140, 132, 64
RGB Percent	55%, 52%, 25%
CMY	0.4510, 0.4823, 0.7490
CMYK	0.00, 0.06, 0.54, 0.45
HSL	54°, 37%, 40%
HSV	54°, 54%, 55%
XYZ	19.9919, 22.4481, 8.1297
YIQ	126.6400, 26.5960, -19.4520

Conversions

Conversions Part 2

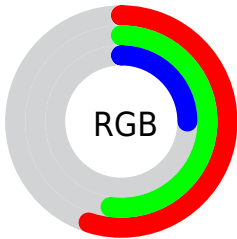
Format	Color
R_{YB}	73, 140, 64
Decimal	9208896
CIE Lab	54.50, -6.52, 37.33
CIE LCh	54, 37.898, 99.908
Yxy	22.4481, 0.3953, 0.4439
Android (android.graphics.Color)	4287398976 (0xFF8C8440)
YUV	126.6400, -30.8815, 11.7167
Hunter-Lab	47.3794, -7.5954, 22.9922

Details

The XYZ color **19.9919, 22.4481, 8.1297** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.1653, 7.6180, 25.7983**, and the grayscale version is **20.1459, 21.1950, 23.0814**.

A 20% lighter version of the original color is **42.8919, 47.5149, 22.8302**, and **7.2040, 8.2957, 1.6735** is the 20% darker color. If you saturate the color by 10%, you get **19.4444, 21.9125, 6.2225**, and if you desaturate by 10%, it is **20.6434, 23.0314, 10.5656**.

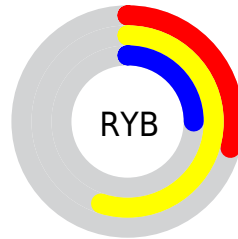
Distribution



Red (55%)

Green (52%)

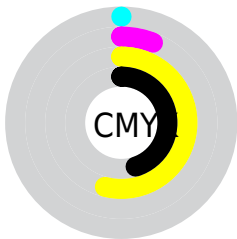
Blue (25%)



Red (29%)

Yellow (55%)

Blue (25%)

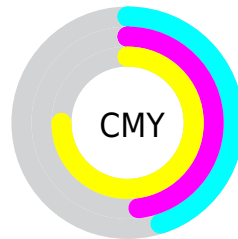


Cyan (0%)

Magenta (6%)

Yellow (54%)

Black (45%)



Cyan (45%)

Magenta (48%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9919, 22.4481, 8.1297 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 19.9919, 22.4481, 8.1297 by changing the saturation by 10% instead.

■ 19.9919, 22.4481,
8.1297

■ 19.9919, 22.4481,
8.1297

244.7057,
264.8775, 186.7182

■ 12.4974, 14.1865,
4.0891

■ 42.9076, 47.4855,
22.7627

■ 7.1580, 8.2505,
1.6743

■ 59.0596, 65.0301,
34.1921

■ 3.6083, 4.2557,
0.3431

■ 78.8281, 86.4379,
48.9216

■ 1.4830, 1.8176,
0.0000

■ 102.5784,
112.0932, 67.3696

■ 0.3142, 0.4981,
0.0000

■ 130.6760,
142.3804, 89.9548

■ 0.0000, 0.0000,
0.0000

■ 163.4861,

177.6839, 117.0956

201.3743,
218.3882, 149.2105

■ 19.9919, 22.4481,
8.1297

■ 19.9919, 22.4481,
8.1297

■ 19.4444, 21.9125,
6.2225

■ 20.6434, 23.0314,
10.5656

■ 18.9915, 21.4185,
4.8024

■ 21.4040, 23.6621,
13.5648

■ 18.6251, 20.9635,
3.8239

■ 22.2806, 24.3437,
17.1607

■ 18.3342, 20.5432,
3.2287

■ 23.2790, 25.0786,
21.3836

■ 18.1830, 20.3110,
2.9621

■ 24.4045, 25.8690,
26.2619

■ 25.6622, 26.7168,
31.8220

■ 27.0569, 27.6240,
38.0892

■ 28.5930, 28.5925,
45.0871

■ 30.2750, 29.6239,
52.8385

Harmonies

Analogous

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



24.1978, 22.4481, 8.6444



19.9919, 22.4481, 8.1297



16.6136, 22.4481, 10.7648

Triad

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



19.9919, 22.4481, 8.1297



15.7799, 22.4481, 42.2395



29.7458, 22.4481, 33.1673

Complementary

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



19.9919, 22.4481, 8.1297



9.1653, 7.6180, 25.7983

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.



26.8785, 22.4481, 46.5082



19.9919, 22.4481, 8.1297



18.7097, 22.4481, 52.8142

Square

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



19.9919, 22.4481, 8.1297



14.3989, 22.4481, 28.5909



22.7395, 22.4481, 54.5892



30.2058, 22.4481, 20.7155

Rectangle

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



19.9919, 22.4481, 8.1297



15.1477, 22.4481, 14.6778



22.7395, 22.4481, 54.5892



29.0154, 22.4481, 37.7906

Sweetspot

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



19.9924, 22.4491, 8.1302



40.6628, 43.9411, 36.0793



13.8469, 9.7217, 7.4271



9.2950, 10.0707, 7.9959



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.9924, 22.4491, 8.1302



34.1015, 38.4452, 10.3800



16.8424, 22.4973, 8.3055



5.3869, 5.7566, 5.3796



16.1648, 18.0641, 2.6347



0.1134, 0.1320, 0.0195

Inverse Universe

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



9.1653, 7.6180, 25.7983



12.9863, 9.5416, 44.9002



11.0949, 7.8946, 25.7500



4.8143, 4.9715, 6.3117



4.3624, 1.9952, 22.2009



0.0338, 0.0228, 0.1491

Previews

White Background



This preview shows how the XYZ color 19.9919, 22.4481, 8.1297 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 19.9919, 22.4481, 8.1297 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 19.9919, 22.4481, 8.1297

Background



This preview shows how black text looks on a background with the XYZ color 19.9919, 22.4481, 8.1297.



This preview shows how white text looks on a background with the XYZ color 19.9919, 22.4481,

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

19.9919, 22.4481, 8.1297

Protanopia

20.5433, 22.5321, 8.1169

Deuteranopia

22.6882, 22.2822, 8.2594



Tritanopia

23.5433, 22.3396, 25.6254

Trichromacy



Original Color

19.9919, 22.4481, 8.1297

Protanomaly

20.3694, 22.4424, 8.1087

Deuteranomaly

21.6804, 22.3327, 8.1690

Tritanomaly

21.8513, 22.2122, 17.6037

Monochromacy



Original Color

19.9919, 22.4481, 8.1297

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8647, 21.6055, 16.2200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9919, 22.4481, 8.1297 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(140, 132, 64)` looks like.

```
.text, #text, p{  
    color:rgb(140, 132, 64)  
}
```

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(140, 132, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 132, 64) }
```

Border

The CSS property to change the border of an element to XYZ 19.9919, 22.4481, 8.1297 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(140, 132, 64) }
```


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

```
.border{ border-color:rgb(140, 132, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 132, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 132, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 132, 64);  
box-shadow:4px 4px 4px 4px rgb(140, 132,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9919, 22.4481, 8.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 132, 64) }
```

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

```
.background{ background-color: rgb(140,  
132, 64) }
```

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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