

Converting Colors

XYZ(20.6736, 19.0167, 22.7428)

Have a look what the booklet for
XYZ(20.6736, 19.0167, 22.7428)
contains.

XYZ(20.5511, 18.9180, 22.6471)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5511, 18.9180,
22.6471)**

Conversions

Conversions Part 1

Format	Color
Hex	8C717F
RGB	140, 113, 127
RGB Percent	55%, 44%, 50%
CMY	0.4510, 0.5568, 0.5020
CMYK	0.00, 0.19, 0.09, 0.45
HSL	329°, 11%, 50%
HSV	329°, 19%, 55%
XYZ	20.5511, 18.9180, 22.6471
YIQ	122.6690, 11.5980, 10.0780

Conversions

Conversions Part 2

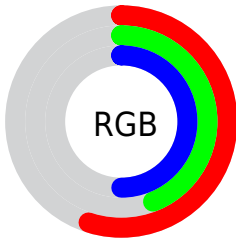
Format	Color
R_{YB}	140, 113, 127
Decimal	9204095
CIE _{Lab}	50.59, 13.07, -3.69
CIE _{LCh}	51, 13.581, 344.250
Yxy	18.9180, 0.3308, 0.3046
Android (android.graphics.Color)	4287394175 (0xFF8C717F)
YUV	122.6690, 2.1352, 15.1993
Hunter-Lab	43.4948, 8.2245, -0.4250

Details

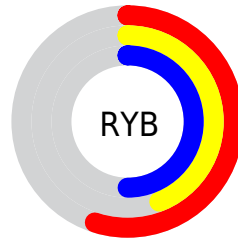
The XYZ color **20.5511, 18.9180, 22.6471** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.9547, 23.7737, 23.2768**, and the grayscale version is **18.7087, 19.6831, 21.4348**.

A 20% lighter version of the original color is **43.9415, 41.6749, 48.9081**, and **7.4819, 6.5043, 8.0688** is the 20% darker color. If you saturate the color by 10%, you get **18.6834, 15.8622, 19.9290**, and if you desaturate by 10%, it is **22.6902, 22.4692, 25.6012**.

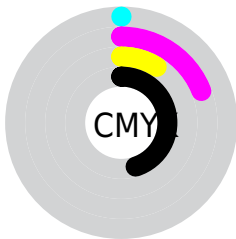
Distribution



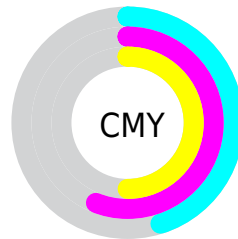
- Red (55%)
- Green (44%)
- Blue (50%)



- Red (55%)
- Yellow (44%)
- Blue (50%)



- Cyan (0%)
- Magenta (19%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5511, 18.9180, 22.6471 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 20.5511, 18.9180, 22.6471 by changing the saturation by 10% instead.

■ 20.5511, 18.9180,
22.6471

■ 20.5511, 18.9180,
22.6471

247.6602,
245.9957, 278.9701

■ 12.9069, 11.6110,
14.1303

■ 43.8362, 41.5955,
48.7290

■ 7.4410, 6.4794,
8.0716

■ 60.2077, 57.7348,
67.1313

■ 3.7882, 3.1387,
4.0523

■ 80.2190, 77.5871,
89.6657

■ 1.5830, 1.2046,
1.6541

■ 104.2355,
101.5366, 116.7509

■ 0.3813, 0.0654,
0.3290

132.6225,
129.9678, 148.8054

■ 0.0000, 0.0000,
0.0000

165.7454,

163.2652, 186.2478

203.9695,
201.8130, 229.4965

■ 20.5511, 18.9180,
22.6471

■ 20.5511, 18.9180,
22.6471

■ 18.6834, 15.8622,
19.9290

■ 22.6902, 22.4692,
25.6012

■ 17.0740, 13.2770,
17.4390

■ 25.1101, 26.5340,
28.7964

■ 15.7109, 11.1392,
15.1705

■ 27.8214, 31.1330,
32.2393

■ 14.5806, 9.4229,
13.1160

■ 30.8339, 36.2847,
35.9356

■ 13.6682, 8.0990,
11.2673

■ 34.1568, 42.0069,
39.8910

■ 12.9568, 7.1352,
9.6157

■ 37.7990, 48.3163,
44.1108

■ 12.4272, 6.4936,
8.1514

■ 41.7690, 55.2293,
48.6004

■ 12.0311, 6.0792,
6.8549

■ 46.0750, 62.7614,
53.3648

■ 12.0043, 6.0511,
6.7672

■ 50.7248, 70.9275,
58.4090

Harmonies

Analogous

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



19.8215, 18.9180, 26.2907



20.5511, 18.9180, 22.6471



20.5700, 18.9180, 18.8511

Triad

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



20.5511, 18.9180, 22.6471



17.3600, 18.9180, 14.2948



16.2140, 18.9180, 26.1318

Complementary

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



20.5511, 18.9180, 22.6471



19.9547, 23.7737, 23.2768

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.



15.6189, 18.9180, 22.4507



20.5511, 18.9180, 22.6471



16.2581, 18.9180, 15.7936

Square

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



20.5511, 18.9180, 22.6471



18.6828, 18.9180, 14.3337



15.6346, 18.9180, 18.6773



17.2970, 18.9180, 28.4652

Rectangle

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



20.5511, 18.9180, 22.6471



20.1744, 18.9180, 16.7523



15.6346, 18.9180, 18.6773



15.9527, 18.9180, 24.9924

Sweetspot

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



20.5516, 18.9188, 22.6475



41.2962, 41.7769, 46.8678



19.1848, 18.1099, 27.2956



9.4625, 9.5374, 10.7287



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.



20.5516, 18.9188, 22.6475



34.7926, 30.9867, 37.8649



19.7526, 18.5992, 18.4397



5.1340, 5.0891, 5.7943



10.6763, 5.3806, 6.0656



0.0783, 0.0387, 0.0793

Inverse Universe

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



20.5516, 18.9188, 22.6475



34.7926, 30.9867, 37.8649



20.8562, 24.1343, 28.0238



5.1340, 5.0891, 5.7943



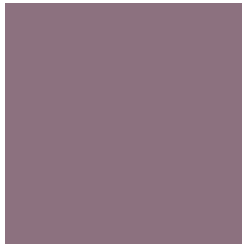
10.6763, 5.3806, 6.0656



0.0783, 0.0387, 0.0793

Previews

White Background



This preview shows how the XYZ color 20.5511, 18.9180, 22.6471 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 20.5511, 18.9180, 22.6471 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 20.5511, 18.9180, 22.6471

Background



This preview shows how black text looks on a background with the XYZ color 20.5511, 18.9180, 22.6471.



This preview shows how white text looks on a background with the XYZ color 20.5511, 18.9180,

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

20.5511, 18.9180, 22.6471

Protanopia

18.5589, 19.0647, 24.1744

Deuteranopia

19.3331, 18.9748, 22.3822



Tritanopia

20.2399, 18.9537, 21.3306

Trichromacy



Original Color

20.5511, 18.9180, 22.6471

Protanomaly

19.1430, 18.8463, 23.7479

Deuteranomaly

19.8428, 19.0655, 22.3728

Tritanomaly

20.3029, 18.9788, 21.6620

Monochromacy



Original Color

20.5511, 18.9180, 22.6471

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2882, 19.3160, 21.7805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5511, 18.9180, 22.6471 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, 113, 127)` looks like.

```
.text, #text, p{  
    color:rgb(140, 113, 127)  
}
```

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, 113, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 113, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.5511, 18.9180, 22.6471 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, 113, 127) }
```


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

```
.border{ border-color:rgb(140, 113, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 113, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 113, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 113, 127);  
box-shadow:4px 4px 4px 4px rgb(140, 113,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5511, 18.9180, 22.6471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 113, 127) }
```

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

```
.background{ background-color: rgb(140,  
113, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor