

Converting Colors

XYZ(21.7059, 22.4850, 30.0906)

Have a look what the booklet for
XYZ(21.7059, 22.4850, 30.0906)
contains.

XYZ(21.6977, 22.4452, 29.9768)	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(21.6977, 22.4452,
29.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8291
RGB	126, 130, 145
RGB Percent	49%, 51%, 57%
CMY	0.5059, 0.4902, 0.4314
CMYK	0.13, 0.10, 0.00, 0.43
HSL	227°, 8%, 53%
HSV	227°, 13%, 57%
XYZ	21.6977, 22.4452, 29.9768
YIQ	130.5140, -7.1990, 3.8170

Conversions

Conversions Part 2

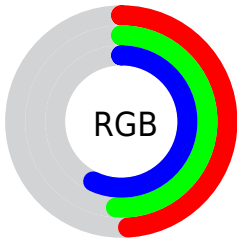
Format	Color
R_{YB}	126, 129, 145
Decimal	8290961
CIE _{Lab}	54.50, 1.72, -8.56
CIE _{LCh}	54, 8.734, 281.354
Yxy	22.4452, 0.2927, 0.3028
Android (android.graphics.Color)	4286481041 (0xFF7E8291)
YUV	130.5140, 7.1416, -3.9588
Hunter-Lab	47.3764, -1.1582, -4.3515

Details

The XYZ color **21.6977, 22.4452, 29.9768** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9681, 26.5760, 23.5530**, and the grayscale version is **21.3781, 22.4914, 24.4932**.

A 20% lighter version of the original color is **45.8327, 47.5742, 60.7999**, and **8.0686, 8.2889, 12.0011** is the 20% darker color. If you saturate the color by 10%, you get **18.2739, 18.5448, 29.4048**, and if you desaturate by 10%, it is **25.6022, 26.8461, 30.6208**.

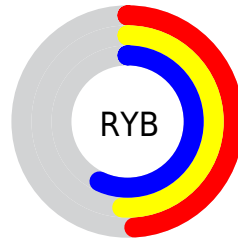
Distribution



Red (49%)

Green (51%)

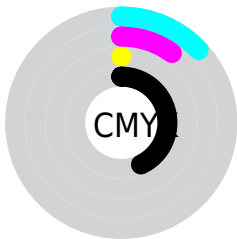
Blue (57%)



Red (49%)

Yellow (51%)

Blue (57%)

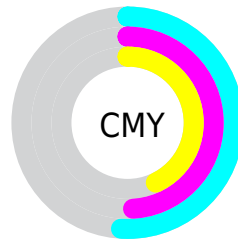


Cyan (13%)

Magenta (10%)

Yellow (0%)

Black (43%)



Cyan (51%)

Magenta (49%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6977, 22.4452, 29.9768 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 21.6977, 22.4452, 29.9768 by changing the saturation by 10% instead.

■ 21.6977, 22.4452,
29.9768

■ 21.6977, 22.4452,
29.9768

253.6256,
264.8625, 316.0002

■ 13.7503, 14.1844,
19.5691

■ 45.7284, 47.4807,
60.6861

■ 8.0277, 8.2490,
11.9012

■ 62.5425, 65.0242,
81.8247

■ 4.1647, 4.2547,
6.5547

■ 83.0428, 86.4307,
107.3773

■ 1.7957, 1.8170,
3.1110

107.5947,
112.0847, 137.7626

■ 0.5151, 0.4978,
1.1516

136.5636,
142.3704, 173.3990

■ 0.0000, 0.0000,
0.0000

170.3148,

177.6724, 214.7050

209.2137,
218.3749, 262.0992

■ 21.6977, 22.4452,
29.9768

■ 21.6977, 22.4452,
29.9768

■ 18.2739, 18.5448,
29.4048

■ 25.6022, 26.8461,
30.6208

■ 15.3100, 15.1241,
28.9007

■ 30.0031, 31.7615,
31.3376

■ 12.7866, 12.1652,
28.4626

■ 34.9179, 37.2087,
32.1300

■ 10.6821, 9.6477,
28.0876

■ 40.3626, 43.2030,
33.0001

■ 8.9731, 7.5498,
27.7727

■ 46.3526, 49.7592,
33.9498

■ 7.6337, 5.8478,
27.5148

■ 52.9025, 56.8916,
34.9813

■ 6.6350, 4.5154,
27.3103

■ 60.0266, 64.6139,
36.0964

■ 5.9430, 3.5228,
27.1551

■ 67.7384, 72.9393,
37.2969

■ 5.5888, 3.0002,
27.0729

■ 75.4960, 81.5946,
38.5587

Harmonies

Analogous

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



20.7507, 22.4452, 29.7785



21.6977, 22.4452, 29.9768



22.5721, 22.4452, 28.6109

Triad

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



21.6977, 22.4452, 29.9768



22.7444, 22.4452, 21.1208



19.6375, 22.4452, 22.7930

Complementary

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



21.6977, 22.4452, 29.9768



24.9681, 26.5760, 23.5530

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.



20.1410, 22.4452, 20.6938



21.6977, 22.4452, 29.9768



21.9271, 22.4452, 19.7793

Square

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



21.6977, 22.4452, 29.9768



23.1884, 22.4452, 23.4164



20.9734, 22.4452, 19.6290



19.5803, 22.4452, 25.4909

Rectangle

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



21.6977, 22.4452, 29.9768



22.9890, 22.4452, 27.0527



20.9734, 22.4452, 19.6290



19.7595, 22.4452, 21.9993

Sweetspot

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



21.6984, 22.4461, 29.9773



45.1247, 47.2637, 54.7180



23.5291, 26.6065, 29.0497



9.9261, 10.3881, 12.1541



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.



21.6984, 22.4461, 29.9773



36.7844, 37.8438, 53.3394



21.9918, 21.8226, 29.8415



5.2159, 5.4277, 6.8015



4.8100, 2.6060, 23.2266



0.0594, 0.0517, 0.2265

Inverse Universe

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



23.1677, 22.5538, 24.2523



40.0050, 38.1196, 40.7827



24.6425, 27.2998, 23.7099



5.4525, 5.4415, 5.8807



10.2310, 5.2494, 1.6017



0.1046, 0.0529, 0.0510

Previews

White Background



This preview shows how the XYZ color 21.6977, 22.4452, 29.9768 looks on a white background.

Color Contrast Check

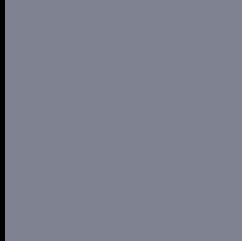
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6977, 22.4452, 29.9768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

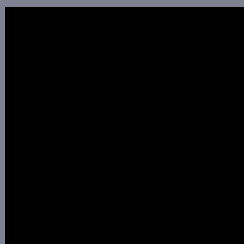
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

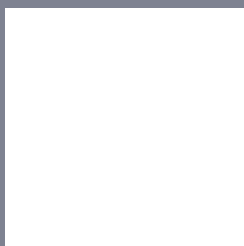
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6977, 22.4452, 29.9768

Background



This preview shows how black text looks on a background with the XYZ color 21.6977, 22.4452, 29.9768.



This preview shows how white text looks on a background with the XYZ color 21.6977, 22.4452,

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

21.6977, 22.4452, 29.9768

Protanopia

21.8632, 22.3340, 29.9467

Deuteranopia

22.9310, 22.4883, 30.3262



Tritanopia

21.3815, 22.5157, 28.4183

Trichromacy



Original Color

21.6977, 22.4452, 29.9768

Protanomaly

21.7135, 22.2569, 29.9396

Deuteranomaly

22.4232, 22.4192, 30.3396

Tritanomaly

21.4562, 22.5456, 28.8121

Monochromacy



Original Color

21.6977, 22.4452, 29.9768

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6135, 22.6773, 26.5306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6977, 22.4452, 29.9768 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(126, 130, 145)` looks like.

```
.text, #text, p{  
    color:rgb(126, 130, 145)  
}
```

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(126, 130, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 130, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.6977, 22.4452, 29.9768 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(126, 130, 145) }
```


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

```
.border{ border-color:rgb(126, 130, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 130, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 130, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 130, 145);  
box-shadow:4px 4px 4px 4px rgb(126, 130,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6977, 22.4452, 29.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 130, 145) }
```

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

```
.background{ background-color: rgb(126,  
130, 145) }
```

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