

Converting Colors

XYZ(21.7804, 22.7783, 28.5575)

Have a look what the booklet for
XYZ(21.7804, 22.7783, 28.5575)
contains.

XYZ(21.6764, 22.6677, 28.4321)	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(21.6764, 22.6677,
28.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	7F838D
RGB	127, 131, 141
RGB Percent	50%, 51%, 55%
CMY	0.5020, 0.4863, 0.4471
CMYK	0.10, 0.07, 0.00, 0.45
HSL	223°, 6%, 53%
HSV	223°, 10%, 55%
XYZ	21.6764, 22.6677, 28.4321
YIQ	130.9440, -5.5940, 2.2620

Conversions

Conversions Part 2

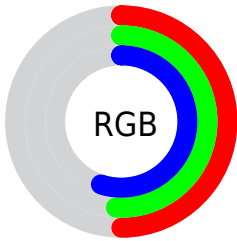
Format	Color
R_{YB}	127, 130, 141
Decimal	8356749
CIE _{Lab}	54.73, 0.62, -5.89
CIE _{LCh}	55, 5.921, 275.998
Yxy	22.6677, 0.2979, 0.3115
Android (android.graphics.Color)	4286546829 (0xFF7F838D)
YUV	130.9440, 4.9576, -3.4589
Hunter-Lab	47.6106, -2.0502, -2.0794

Details

The XYZ color **21.6764, 22.6677, 28.4321** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.7610, 25.0861, 23.6689**, and the grayscale version is **21.5382, 22.6599, 24.6766**.

A 20% lighter version of the original color is **45.8132, 47.9244, 58.4655**, and **8.0475, 8.4096, 11.0966** is the 20% darker color. If you saturate the color by 10%, you get **18.4344, 19.0859, 27.9120**, and if you desaturate by 10%, it is **25.3451, 26.6659, 29.0108**.

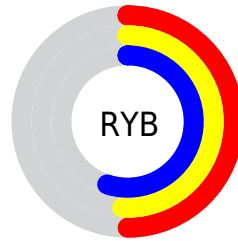
Distribution



Red (50%)

Green (51%)

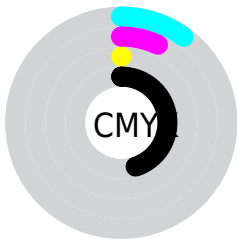
Blue (55%)



Red (50%)

Yellow (51%)

Blue (55%)

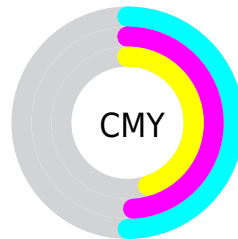


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (49%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6764, 22.6677, 28.4321 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 21.6764, 22.6677, 28.4321 by changing the saturation by 10% instead.

■ 21.6764, 22.6677,
28.4321

■ 21.6764, 22.6677,
28.4321

253.5159,
266.0136, 308.5026

■ 13.7346, 14.3483,
18.4098

■ 45.6934, 47.8471,
58.2050

■ 8.0168, 8.3633,
11.0721

■ 62.4993, 65.4759,
78.7926

■ 4.1576, 4.3283,
6.0006

■ 82.9907, 86.9767,
103.7390

■ 1.7917, 1.8589,
2.7766

107.5328,
112.7338, 133.4628

■ 0.5126, 0.5235,
0.9817

136.4910,
143.1317, 168.3825

■ 0.0000, 0.0000,
0.0000

170.2307,

178.5547, 208.9167

209.1172,
219.3872, 255.4839

■ 21.6764, 22.6677,
28.4321

■ 21.6764, 22.6677,
28.4321

■ 18.4344, 19.0859,
27.9120

■ 25.3451, 26.6659,
29.0108

■ 15.6013, 15.9038,
27.4471

■ 29.4535, 31.0906,
29.6483

■ 13.1608, 13.1080,
27.0361

■ 34.0166, 35.9552,
30.3468

■ 11.0948, 10.6829,
26.6769

■ 39.0479, 41.2718,
31.1078

■ 9.3837, 8.6122,
26.3674

■ 44.5606, 47.0517,
31.9329

■ 8.0061, 6.8779,
26.1052

■ 50.5670, 53.3061,
32.8236

■ 6.9380, 5.4604,
25.8879

■ 57.0793, 60.0456,
33.7812

■ 6.1518, 4.3377,
25.7126

■ 64.1091, 67.2805,
34.8071

■ 5.5806, 3.4669,
25.5747

■ 71.6677, 75.0209,
35.9028

Harmonies

Analogous

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



21.0384, 22.6677, 28.1133



21.6764, 22.6677, 28.4321



22.2912, 22.6677, 27.7056

Triad

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



21.6764, 22.6677, 28.4321



22.5766, 22.6677, 22.6280



20.4184, 22.6677, 23.2476

Complementary

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



21.6764, 22.6677, 28.4321



23.7610, 25.0861, 23.6689

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.



20.8156, 22.6677, 21.8855



21.6764, 22.6677, 28.4321



22.0596, 22.6677, 21.5406

Square

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



21.6764, 22.6677, 28.4321



22.8177, 22.6677, 24.3075



21.4141, 22.6677, 21.2757



20.3205, 22.6677, 25.0588

Rectangle

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



21.6764, 22.6677, 28.4321



22.6025, 22.6677, 26.7468



21.4141, 22.6677, 21.2757



20.5210, 22.6677, 22.7249

Sweetspot

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



21.6771, 22.6687, 28.4326



43.2451, 45.4278, 51.6171



22.7787, 25.3625, 27.2870



9.5468, 10.0245, 11.5112



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.



21.6771, 22.6687, 28.4326



37.4004, 39.0360, 50.6914



21.5727, 21.8323, 28.2767



5.2474, 5.4905, 6.8120



5.0973, 3.1806, 23.3223



0.0656, 0.0642, 0.2286

Inverse Universe

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



22.6711, 22.4806, 24.6181



39.5712, 38.6519, 42.3553



23.8703, 26.0028, 23.8400



5.4683, 5.4479, 5.9642



10.3760, 5.3074, 2.3653



0.1077, 0.0542, 0.0676

Previews

White Background



This preview shows how the XYZ color 21.6764, 22.6677, 28.4321 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 21.6764, 22.6677, 28.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

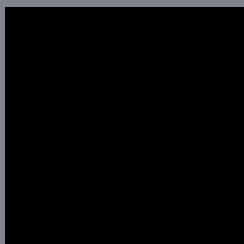
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

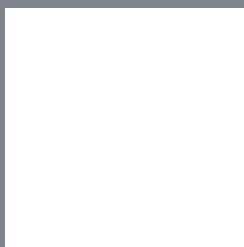
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6764, 22.6677, 28.4321

Background



This preview shows how black text looks on a background with the XYZ color 21.6764, 22.6677, 28.4321.



This preview shows how white text looks on a background with the XYZ color 21.6764, 22.6677,

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

21.6764, 22.6677, 28.4321

Protanopia

21.9222, 22.6045, 28.0186

Deuteranopia

23.1193, 22.6207, 28.7389



Tritanopia

21.6764, 22.6677, 28.4321

Trichromacy



Original Color

21.6764, 22.6677, 28.4321

Protanomaly

21.7695, 22.5258, 28.0115

Deuteranomaly

22.5933, 22.5422, 28.7515

Tritanomaly

21.6764, 22.6677, 28.4321

Monochromacy



Original Color

21.6764, 22.6677, 28.4321

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6954, 22.7277, 26.1651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6764, 22.6677, 28.4321 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(127, 131, 141)` looks like.

```
.text, #text, p{  
    color:rgb(127, 131, 141)  
}
```

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(127, 131, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 131, 141) }
```

Border

The CSS property to change the border of an element to XYZ 21.6764, 22.6677, 28.4321 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(127, 131, 141) }
```


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

```
.border{ border-color:rgb(127, 131, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 131, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 131, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 131, 141);  
box-shadow:4px 4px 4px 4px rgb(127, 131,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6764, 22.6677, 28.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 131, 141) }
```

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

```
.background{ background-color: rgb(127,  
131, 141) }
```

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