

Converting Colors

XYZ(21.6208, 28.3171, 33.5873)

Have a look what the booklet for
XYZ(21.6208, 28.3171, 33.5873)
contains.

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Color

**XYZ(21.6674, 28.4230,
33.6224)**

Conversions

Conversions Part 1

Format	Color
Hex	589D97
RGB	88, 157, 151
RGB Percent	35%, 62%, 59%
CMY	0.6549, 0.3843, 0.4078
CMYK	0.44, 0.00, 0.04, 0.38
HSL	175°, 28%, 48%
HSV	175°, 44%, 62%
XYZ	21.6674, 28.4230, 33.6224
YIQ	135.6850, -39.1980, -16.4940

Conversions

Conversions Part 2

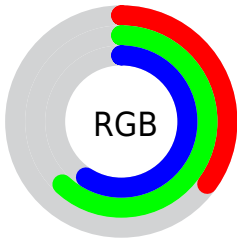
Format	Color
R_{YB}	88, 124, 157
Decimal	5807511
CIE _{Lab}	60.27, -23.31, -3.68
CIE _{LCh}	60, 23.595, 188.983
Y _{xy}	28.4230, 0.2588, 0.3395
Android (android.graphics.Color)	4283997591 (0xFF589D97)
YUV	135.6850, 7.5503, -41.8197
Hunter-Lab	53.3132, -20.7527, -0.0724

Details

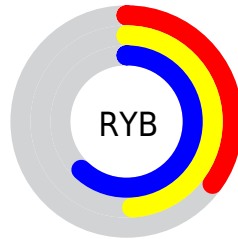
The XYZ color **21.6674, 28.4230, 33.6224** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4157, 14.9565, 12.4543**, and the grayscale version is **23.2679, 24.4796, 26.6583**.

A 20% lighter version of the original color is **45.7183, 57.2455, 66.3975**, and **7.9790, 11.3466, 13.8262** is the 20% darker color. If you saturate the color by 10%, you get **20.2283, 27.6945, 32.9800**, and if you desaturate by 10%, it is **23.4296, 29.3192, 34.2878**.

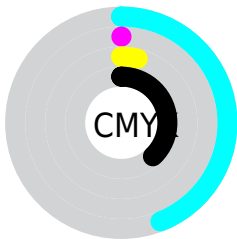
Distribution



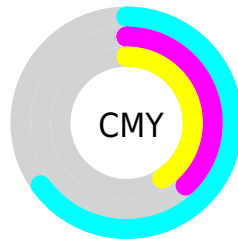
- Red (35%)
- Green (62%)
- Blue (59%)



- Red (35%)
- Yellow (49%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (65%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6674, 28.4230, 33.6224 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 21.6674, 28.4230, 33.6224 by changing the saturation by 10% instead.

■ 21.6674, 28.4230,
33.6224

■ 21.6674, 28.4230,
33.6224

253.4695,
294.4827, 333.1627

■ 13.7279, 18.6448,
22.3287

■ 45.6786, 57.1591,
66.4732

■ 8.0121, 11.4139,
13.8980

■ 62.4811, 76.8857,
88.8674

■ 4.1546, 6.3459,
7.9118

■ 82.9686, 100.6973,
115.7987

■ 1.7900, 3.0566,
3.9516

■ 107.5066,
128.9781, 147.6858

■ 0.5116, 1.1613,
1.5988

136.4603,
162.1127, 184.9472

■ 0.0000, 0.0298,
0.2900

170.1951,

■ 0.0000, 0.0000,

200.4854, 228.0015

0.0000

209.0764,
244.4806, 277.2671

■ 21.6674, 28.4230,
33.6224

■ 21.6674, 28.4230,
33.6224

■ 20.2283, 27.6945,
32.9800

■ 23.4296, 29.3192,
34.2878

■ 19.0889, 27.1198,
32.3577

■ 25.5311, 30.3896,
34.9753

■ 18.2270, 26.6879,
31.7551

■ 27.9904, 31.6442,
35.6862

■ 17.6158, 26.3851,
31.1709

■ 30.8237, 33.0915,
36.4214

■ 17.2237, 26.1951,
30.6035

■ 34.0461, 34.7392,
37.1816

■ 17.0417, 26.1086,
30.2659

■ 37.6721, 36.5948,
37.9675

■ 41.7154, 38.6654,
38.7798

■ 46.1889, 40.9577,
39.6191

■ 51.1051, 43.4780,
40.4860

Harmonies

Analogous

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



21.9410, 28.4230, 25.3493



21.6674, 28.4230, 33.6224



22.7411, 28.4230, 42.6552

Triad

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



21.6674, 28.4230, 33.6224



30.8422, 28.4230, 45.7876



29.1556, 28.4230, 17.8564

Complementary

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



21.6674, 28.4230, 33.6224



19.4157, 14.9565, 12.4543

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.



31.7938, 28.4230, 21.6064



21.6674, 28.4230, 33.6224



32.8170, 28.4230, 37.3153

Square

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



21.6674, 28.4230, 33.6224



27.9336, 28.4230, 50.4910



33.1776, 28.4230, 28.4190



26.1171, 28.4230, 17.2371

Rectangle

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



21.6674, 28.4230, 33.6224



24.1273, 28.4230, 47.5327



33.1776, 28.4230, 28.4190



30.1248, 28.4230, 18.7538

Sweetspot

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



21.6682, 28.4241, 33.6231



50.4583, 56.8391, 63.9985



18.5282, 27.2472, 13.5159



10.8882, 12.3974, 14.0235



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.6682, 28.4241, 33.6231



36.2088, 49.5879, 59.0536



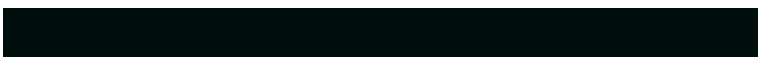
18.0142, 20.3161, 34.8715



6.7970, 7.4995, 8.3654



13.8473, 21.2068, 24.6164



0.2541, 0.3818, 0.4747

Inverse Universe

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



19.4157, 14.9565, 12.4543



31.6382, 22.2070, 16.0601



21.8664, 20.2724, 11.9936



6.6553, 6.6550, 7.0361



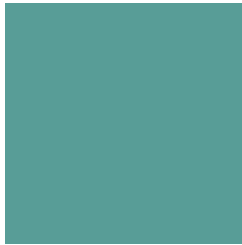
11.3621, 5.8494, 0.8917



0.2092, 0.1070, 0.0478

Previews

White Background



This preview shows how the XYZ color 21.6674, 28.4230, 33.6224 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 21.6674, 28.4230, 33.6224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

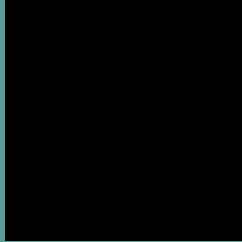
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6674, 28.4230, 33.6224

Background



This preview shows how black text looks on a background with the XYZ color 21.6674, 28.4230, 33.6224.

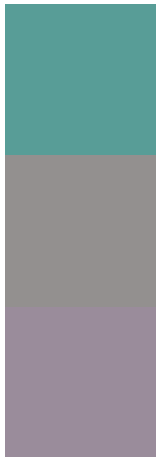


This preview shows how white text looks on a background with the XYZ color 21.6674, 28.4230,

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

21.6674, 28.4230, 33.6224

Protanopia

26.9638, 28.1327, 29.9956

Deuteranopia

28.6209, 27.9927, 34.9050



Tritanopia

23.2106, 28.5599, 40.8485

Trichromacy



Original Color

21.6674, 28.4230, 33.6224

Protanomaly

24.5399, 28.0058, 31.3064

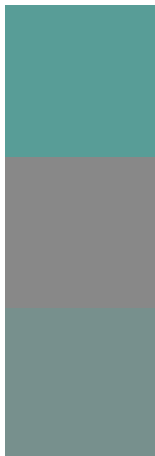
Deuteranomaly

25.3175, 27.6367, 34.5719

Tritanomaly

22.6359, 28.5743, 38.0406

Monochromacy



Original Color

21.6674, 28.4230, 33.6224

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.3887, 25.7915, 28.9976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6674, 28.4230, 33.6224 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(88, 157, 151)` looks like.

```
.text, #text, p{  
    color:rgb(88, 157, 151)  
}
```

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(88, 157, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 157, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.6674, 28.4230, 33.6224 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(88, 157, 151) }
```


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

```
.border{ border-color:rgb(88, 157, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 157, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 157, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 157, 151);  
box-shadow:4px 4px 4px 4px rgb(88, 157,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6674, 28.4230, 33.6224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 157, 151) }
```

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

```
.background{ background-color: rgb(88, 157,  
151) }
```

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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