

Converting Colors

XYZ(21.5986, 28.3931, 44.0804)

Have a look what the booklet for
XYZ(21.5986, 28.3931, 44.0804)
contains.

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Color

**XYZ(21.5733, 28.4007,
43.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9EAD
RGB	59, 158, 173
RGB Percent	23%, 62%, 68%
CMY	0.7686, 0.3804, 0.3216
CMYK	0.66, 0.09, 0.00, 0.32
HSL	188°, 49%, 45%
HSV	188°, 66%, 68%
XYZ	21.5733, 28.4007, 43.8800
YIQ	130.1090, -63.8190, -16.3230

Conversions

Conversions Part 2

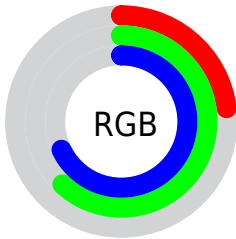
Format	Color
RYB	59, 112, 173
Decimal	3907245
CIELab	60.25, -23.66, -16.27
CIELCh	60, 28.713, 214.504
Yxy	28.4007, 0.2299, 0.3026
Android (android.graphics.Color)	4282097325 (0xFF3B9EAD)
YUV	130.1090, 21.1453, -62.3626
Hunter-Lab	53.2923, -21.0028, -11.5138

Details

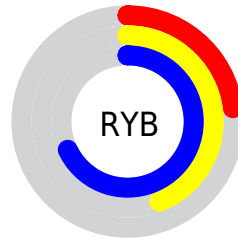
The XYZ color **21.5733, 28.4007, 43.8800** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4724, 14.0983, 5.7807**, and the grayscale version is **21.2013, 22.3054, 24.2906**.

A 20% lighter version of the original color is **45.5436, 57.1830, 82.0358**, and **8.6052, 11.6885, 19.8917** is the 20% darker color. If you saturate the color by 10%, you get **20.3284, 27.1884, 43.7122**, and if you desaturate by 10%, it is **23.1670, 29.8046, 44.0675**.

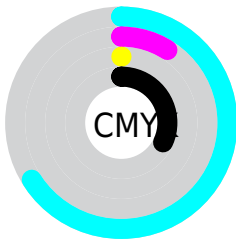
Distribution



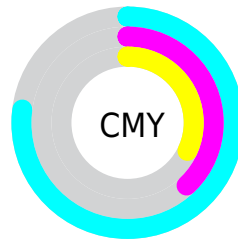
- Red (23%)
- Green (62%)
- Blue (68%)



- Red (23%)
- Yellow (44%)
- Blue (68%)



- Cyan (66%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)



- Cyan (77%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5733, 28.4007, 43.8800 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 21.5733, 28.4007, 43.8800 by changing the saturation by 10% instead.

■ 21.5733, 28.4007,
43.8800

■ 21.5733, 28.4007,
43.8800

■ 252.9842,
294.3767, 378.2454

■ 13.6585, 18.6279,
30.2397

■ 45.5239, 57.1235,
82.3377

■ 7.9637, 11.4017,
19.7670

■ 62.2904, 76.8424,
107.9921

■ 4.1233, 6.3377,
12.0434

■ 82.7382, 100.6454,
138.4884

■ 1.7721, 3.0515,
6.6503

■ 107.2327,
128.9170, 174.2450

■ 0.5008, 1.1587,
3.1693

■ 136.1392,
162.0415, 215.6804

■ 0.0000, 0.0276,
1.1817

169.8230,

■ 0.0000, 0.0000,

200.4034, 263.2133

0.0000

208.6496,
244.3870, 317.2621

■ 21.5733, 28.4007,
43.8800

■ 21.5733, 28.4007,
43.8800

■ 20.3284, 27.1884,
43.7122

■ 23.1670, 29.8046,
44.0675

■ 19.3944, 26.1465,
43.5603

■ 25.1370, 31.4127,
44.2741

■ 18.7265, 25.2523,
43.4229

■ 27.5113, 33.2400,
44.5016

■ 18.4875, 24.9063,
43.3687

■ 30.3144, 35.2991,
44.7514

■ 33.5688, 37.6018,
45.0243

■ 37.2954, 40.1589,
45.3214

■ 41.5137, 42.9806,
45.6437

■ 46.2424, 46.0763,
45.9921

■ 51.4989, 49.4553,
46.3672

Harmonies

Analogous

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



20.5373, 28.4007, 32.5422



21.5733, 28.4007, 43.8800



24.0617, 28.4007, 53.0550

Triad

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



21.5733, 28.4007, 43.8800



33.8968, 28.4007, 40.4911



26.4422, 28.4007, 14.8029

Complementary

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



21.5733, 28.4007, 43.8800



20.4724, 14.0983, 5.7807

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.



30.1554, 28.4007, 16.0031



21.5733, 28.4007, 43.8800



34.6793, 28.4007, 29.3595

Square

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



21.5733, 28.4007, 43.8800



31.2034, 28.4007, 50.8072



33.2543, 28.4007, 20.8072



23.1814, 28.4007, 17.0508

Rectangle

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



21.5733, 28.4007, 43.8800



26.3221, 28.4007, 55.7953



33.2543, 28.4007, 20.8072



27.6773, 28.4007, 14.8216

Sweetspot

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



21.5742, 28.4018, 43.8807



57.4197, 65.4493, 80.4124



17.9274, 31.2894, 11.2778



12.1390, 13.9826, 17.4468



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.5742, 28.4018, 43.8807



35.5912, 47.8194, 78.1600



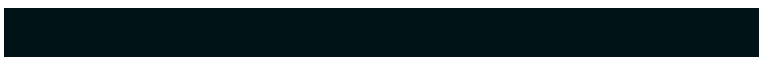
14.1677, 13.5888, 41.4119



8.1451, 8.8896, 10.2393



13.6114, 18.3567, 31.8703



0.4031, 0.5595, 0.8947

Inverse Universe

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



24.9698, 14.4816, 33.8281



42.4376, 22.1749, 57.3485



25.9136, 24.9806, 7.5944



8.2911, 8.1297, 9.8435



16.7341, 8.1562, 22.0427



0.4779, 0.2318, 0.6781

Previews

White Background



This preview shows how the XYZ color 21.5733, 28.4007, 43.8800 looks on a white background.

Color Contrast Check

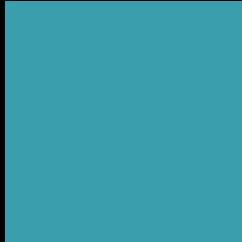
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5733, 28.4007, 43.8800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

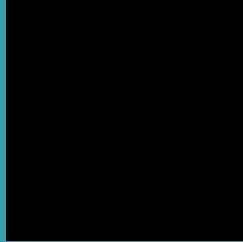
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5733, 28.4007, 43.8800

Background



This preview shows how black text looks on a background with the XYZ color 21.5733, 28.4007, 43.8800.

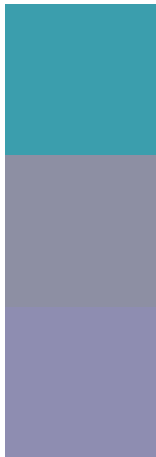


This preview shows how white text looks on a background with the XYZ color 21.5733, 28.4007,

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

21.5733, 28.4007, 43.8800

Protanopia

27.4178, 27.9520, 38.6005

Deuteranopia

28.6160, 27.9749, 45.4864



Tritanopia

21.3225, 28.2935, 42.8655

Trichromacy



Original Color

21.5733, 28.4007, 43.8800

Protanomaly

24.1205, 27.3493, 40.5669

Deuteranomaly

24.9523, 27.4468, 45.0569

Tritanomaly

21.4182, 28.3318, 43.3695

Monochromacy



Original Color

21.5733, 28.4007, 43.8800

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.2753, 23.7745, 30.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5733, 28.4007, 43.8800 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(59, 158, 173)` looks like.

```
.text, #text, p{  
    color:rgb(59, 158, 173)  
}
```

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(59, 158, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 158, 173) }
```

Border

The CSS property to change the border of an element to XYZ 21.5733, 28.4007, 43.8800 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(59, 158, 173) }
```


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

```
.border{ border-color:rgb(59, 158, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 158, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 158, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 158, 173);  
box-shadow:4px 4px 4px 4px rgb(59, 158,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5733, 28.4007, 43.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 158, 173) }
```

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

```
.background{ background-color: rgb(59, 158,  
173) }
```

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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