

Converting Colors

XYZ(17.9571, 21.1797, 37.8860)

Have a look what the booklet for
XYZ(17.9571, 21.1797, 37.8860)
contains.

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Color

**XYZ(17.8836, 21.1110,
37.7826)**

Conversions

Conversions Part 1

Format	Color
Hex	4986A3
RGB	73, 134, 163
RGB Percent	29%, 53%, 64%
CMY	0.7137, 0.4745, 0.3608
CMYK	0.55, 0.18, 0.00, 0.36
HSL	199°, 38%, 46%
HSV	199°, 55%, 64%
XYZ	17.8836, 21.1110, 37.7826
YIQ	119.0670, -45.6650, -3.9130

Conversions

Conversions Part 2

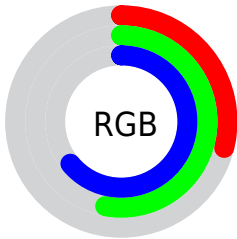
Format	Color
R_{YB}	73, 109, 163
Decimal	4818595
CIE _{Lab}	53.07, -11.21, -21.45
CIE _{LCh}	53, 24.206, 242.419
Yxy	21.1110, 0.2329, 0.2750
Android (android.graphics.Color)	4283008675 (0xFF4986A3)
YUV	119.0670, 21.6590, -40.4008
Hunter-Lab	45.9467, -10.9301, -16.5923

Details

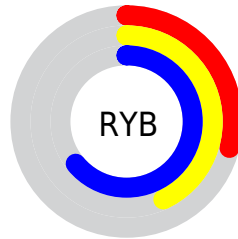
The XYZ color **17.8836, 21.1110, 37.7826** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.0588, 17.7710, 8.6243**, and the grayscale version is **17.5004, 18.4118, 20.0504**.

A 20% lighter version of the original color is **39.3273, 45.1918, 72.9798**, and **6.0646, 7.5013, 16.1672** is the 20% darker color. If you saturate the color by 10%, you get **16.0988, 19.1403, 37.4967**, and if you desaturate by 10%, it is **20.0295, 23.3223, 38.0967**.

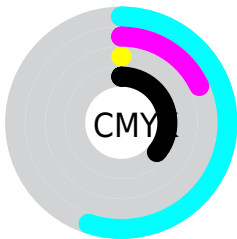
Distribution



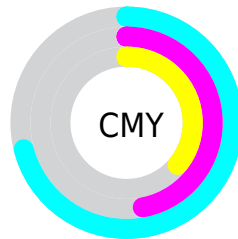
- Red (29%)
- Green (53%)
- Blue (64%)



- Red (29%)
- Yellow (43%)
- Blue (64%)



- Cyan (55%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)



- Cyan (71%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8836, 21.1110, 37.7826 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 17.8836, 21.1110, 37.7826 by changing the saturation by 10% instead.

■ 17.8836, 21.1110,
37.7826

■ 17.8836, 21.1110,
37.7826

233.2724,
257.8678, 351.9566

■ 10.9656, 13.2052,
25.5135

■ 39.3705, 45.2722,
72.9745

■ 6.1109, 7.5700,
16.2375

■ 54.6702, 62.2963,
96.7344

■ 2.9539, 3.8210,
9.5362

■ 73.4945, 83.1287,
125.1616

■ 1.1294, 1.5740,
4.9910

■ 96.2087, 108.1537,
158.6747

■ 0.0495, 0.3400,
2.1833

■ 123.1783,
137.7557, 197.6922

■ 0.0000, 0.0000,
0.6647

154.7685,

■ 0.0000, 0.0000,

172.3192, 242.6327

0.0000

191.3448,
212.2284, 293.9146

■ 17.8836, 21.1110,
37.7826

■ 17.8836, 21.1110,
37.7826

■ 16.0988, 19.1403,
37.4967

■ 20.0295, 23.3223,
38.0967

■ 14.6467, 17.3933,
37.2360

■ 22.5580, 25.7847,
38.4387

■ 13.4975, 15.8546,
36.9996

■ 25.4913, 28.5108,
38.8103

■ 12.6130, 14.5035,
36.7854

■ 28.8492, 31.5115,
39.2125

■ 12.2387, 13.8998,
36.6886

■ 32.6501, 34.7970,
39.6464

■ 36.9113, 38.3770,
40.1128

■ 41.6491, 42.2605,
40.6127

■ 46.8792, 46.4562,
41.1469

■ 52.6161, 50.9725,
41.7162

Harmonies

Analogous

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



16.2110, 21.1110, 31.3492



17.8836, 21.1110, 37.7826



20.2727, 21.1110, 40.0267

Triad

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



17.8836, 21.1110, 37.7826



25.3631, 21.1110, 22.3997



17.5543, 21.1110, 13.0683

Complementary

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



17.8836, 21.1110, 37.7826



21.0588, 17.7710, 8.6243

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.



19.8595, 21.1110, 11.6337



17.8836, 21.1110, 37.7826



24.4868, 21.1110, 16.2610

Square

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



17.8836, 21.1110, 37.7826



24.7235, 21.1110, 30.1058



22.4177, 21.1110, 12.6665



16.0325, 21.1110, 17.0882

Rectangle

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



17.8836, 21.1110, 37.7826



21.9904, 21.1110, 38.5305



22.4177, 21.1110, 12.6665



18.2561, 21.1110, 12.3113

Sweetspot

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



17.8843, 21.1118, 37.7831



50.3367, 55.2621, 70.0697



18.2190, 28.5608, 16.9941



11.0436, 12.1793, 15.7063



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.8843, 21.1118, 37.7831



28.2619, 33.6175, 67.0554



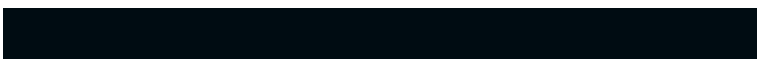
12.9733, 11.2899, 36.1461



7.0828, 7.6246, 9.0015



9.5539, 10.8873, 28.5277



0.2406, 0.3085, 0.6127

Inverse Universe

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



21.7905, 14.2735, 24.1616



36.3072, 21.3515, 38.5923



26.6635, 28.9804, 10.4925



7.2668, 7.1632, 8.3912



13.9679, 6.9432, 12.2872



0.3136, 0.1539, 0.3642

Previews

White Background



This preview shows how the XYZ color 17.8836, 21.1110, 37.7826 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 17.8836, 21.1110, 37.7826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

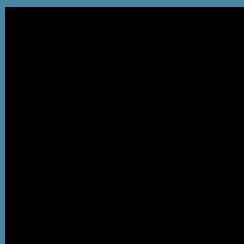
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

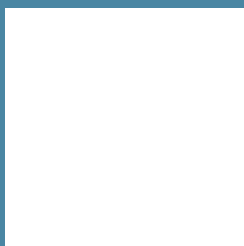
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8836, 21.1110, 37.7826

Background



This preview shows how black text looks on a background with the XYZ color 17.8836, 21.1110, 37.7826.

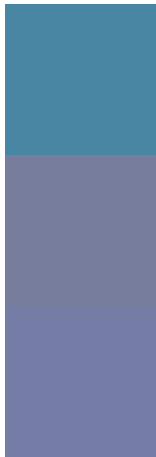


This preview shows how white text looks on a background with the XYZ color 17.8836, 21.1110,

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

17.8836, 21.1110, 37.7826

Protanopia

20.9421, 20.9895, 34.4001

Deuteranopia

21.3353, 20.9138, 38.5096



Tritanopia

16.6057, 21.2227, 31.2382

Trichromacy



Original Color

17.8836, 21.1110, 37.7826

Protanomaly

19.4567, 20.7663, 35.7837

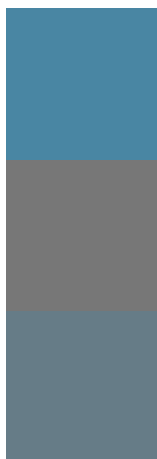
Deuteranomaly

19.7868, 20.8854, 38.1104

Tritanomaly

17.0082, 21.1734, 33.3274

Monochromacy



Original Color

17.8836, 21.1110, 37.7826

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0603, 18.9894, 25.6878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8836, 21.1110, 37.7826 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(73, 134, 163)` looks like.

```
.text, #text, p{  
    color:rgb(73, 134, 163)  
}
```

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(73, 134, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 134, 163) }
```

Border

The CSS property to change the border of an element to XYZ 17.8836, 21.1110, 37.7826 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(73, 134, 163) }
```


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

```
.border{ border-color:rgb(73, 134, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 134, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 134, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 134, 163);  
box-shadow:4px 4px 4px 4px rgb(73, 134,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8836, 21.1110, 37.7826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 134, 163) }
```

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

```
.background{ background-color: rgb(73, 134,  
163) }
```

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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