

Converting Colors

XYZ(13.3736, 17.8389, 21.7176)

Have a look what the booklet for
XYZ(13.3736, 17.8389, 21.7176)
contains.

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Color

**XYZ(13.4716, 17.9836,
21.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	40807C
RGB	64, 128, 124
RGB Percent	25%, 50%, 49%
CMY	0.7490, 0.4980, 0.5137
CMYK	0.50, 0.00, 0.03, 0.50
HSL	176°, 33%, 38%
HSV	176°, 50%, 50%
XYZ	13.4716, 17.9836, 21.8299
YIQ	108.4080, -36.8600, -14.8120

Conversions

Conversions Part 2

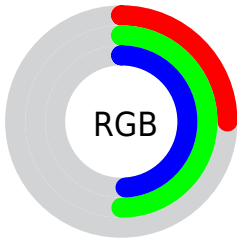
Format	Color
RYB	64, 97, 128
Decimal	4227196
CIELab	49.48, -21.53, -4.17
CIELCh	49, 21.931, 190.951
Yxy	17.9836, 0.2528, 0.3375
Android (android.graphics.Color)	4282417276 (0xFF40807C)
YUV	108.4080, 7.6869, -38.9458
Hunter-Lab	42.4071, -17.5077, -0.8358

Details

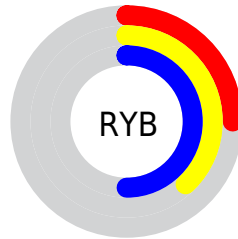
The XYZ color **13.4716, 17.9836, 21.8299** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7795, 8.6738, 6.5228**, and the grayscale version is **14.3554, 15.1030, 16.4472**.

A 20% lighter version of the original color is **31.6965, 39.9642, 47.1176**, and **3.9944, 5.9568, 7.5959** is the 20% darker color. If you saturate the color by 10%, you get **12.6826, 17.5831, 21.5302**, and if you desaturate by 10%, it is **14.4531, 18.4841, 22.1415**.

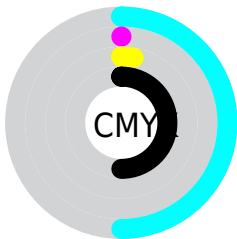
Distribution



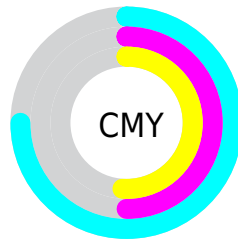
- Red (25%)
- Green (50%)
- Blue (49%)



- Red (25%)
- Yellow (38%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)



- Cyan (75%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4716, 17.9836, 21.8299 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 13.4716, 17.9836, 21.8299 by changing the saturation by 10% instead.

■ 13.4716, 17.9836,
21.8299

■ 13.4716, 17.9836,
21.8299

207.4955,
240.7786, 274.5811

■ 7.8333, 10.9382,
13.5348

■ 31.7426, 40.0094,
47.3633

■ 4.0394, 6.0253,
7.6628

■ 45.1061, 55.7586,
65.4387

■ 1.7244, 2.8605,
3.7953

■ 61.7753, 75.1778,
87.6113

■ 0.4715, 1.0593,
1.5137

■ 82.1157, 98.6515,
114.2996

■ 0.0000, 0.0000,
0.2281

■ 106.4925,
126.5640, 145.9222

■ 0.0000, 0.0000,
0.0000

135.2712,

159.2998, 182.8977

168.8170,
197.2432, 225.6445

■ 13.4716, 17.9836,
21.8299

■ 13.4716, 17.9836,
21.8299

■ 12.6826, 17.5831,
21.5302

■ 14.4531, 18.4841,
22.1415

■ 12.0714, 17.2738,
21.2406

■ 15.6376, 19.0889,
22.4644

■ 11.6235, 17.0486,
20.9607

■ 17.0366, 19.8041,
22.7995

■ 11.3215, 16.8986,
20.6898

■ 18.6604, 20.6352,
23.1473

■ 11.1096, 16.7950,
20.4253

■ 20.5185, 21.5870,
23.5082

■ 11.1096, 16.7950,
20.4252

■ 22.6200, 22.6642,
23.8827

■ 24.9733, 23.8713,
24.2711

■ 27.5866, 25.2123,
24.6739

■ 30.4677, 26.6913,
25.0913

Harmonies

Analogous

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



13.5963, 17.9836, 16.0876



13.4716, 17.9836, 21.8299



14.2565, 17.9836, 28.0533

Triad

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



13.4716, 17.9836, 21.8299



19.8397, 17.9836, 29.5267



18.4267, 17.9836, 10.6537

Complementary

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



13.4716, 17.9836, 21.8299



11.7795, 8.6738, 6.5228

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.



20.2825, 17.9836, 13.0135



13.4716, 17.9836, 21.8299



21.1428, 17.9836, 23.5469

Square

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



13.4716, 17.9836, 21.8299



17.8610, 17.9836, 33.0580



21.3111, 17.9836, 17.4923



16.3470, 17.9836, 10.3781

Rectangle

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



13.4716, 17.9836, 21.8299



15.2301, 17.9836, 31.3475



21.3111, 17.9836, 17.4923



19.1016, 17.9836, 11.2031

Sweetspot

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



13.4721, 17.9843, 21.8303



31.2747, 35.5219, 40.4226



11.0477, 17.0478, 7.5591



7.2056, 8.2570, 9.4387



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4721, 17.9843, 21.8303



22.1621, 30.8720, 37.8342



10.5940, 11.8147, 22.1450



4.4352, 4.8824, 5.4629



11.0157, 16.6529, 20.2532



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7795, 8.6738, 6.5228



18.8260, 12.4862, 7.6377



13.6322, 12.5681, 6.5582



4.3378, 4.3483, 4.5835



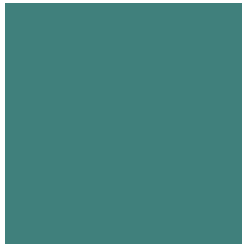
8.8707, 4.5680, 0.6431



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4716, 17.9836, 21.8299 looks on a white 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

Black Background



This preview shows how the XYZ color 13.4716, 17.9836, 21.8299 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

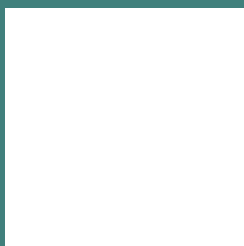
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4716, 17.9836, 21.8299

Background



This preview shows how black text looks on a background with the XYZ color 13.4716, 17.9836, 21.8299.



This preview shows how white text looks on a background with the XYZ color 13.4716, 17.9836,

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

13.4716, 17.9836, 21.8299

Protanopia

17.0640, 17.6971, 19.3461

Deuteranopia

18.1603, 17.8520, 22.5673



Tritanopia

14.2887, 17.9282, 26.0000

Trichromacy



Original Color

13.4716, 17.9836, 21.8299

Protanomaly

15.2522, 17.4417, 20.3320

Deuteranomaly

15.8422, 17.5248, 22.2863

Tritanomaly

14.0690, 18.0380, 24.5700

Monochromacy



Original Color

13.4716, 17.9836, 21.8299

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5816, 15.7517, 18.2441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4716, 17.9836, 21.8299 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(64, 128, 124)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 124)  
}
```

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(64, 128, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.4716, 17.9836, 21.8299 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(64, 128, 124) }
```


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

```
.border{ border-color:rgb(64, 128, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 124);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4716, 17.9836, 21.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 124) }
```

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

```
.background{ background-color: rgb(64, 128,  
124) }
```

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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