

Converting Colors

XYZ(13.7637, 16.8376, 26.8960)

Have a look what the booklet for
XYZ(13.7637, 16.8376, 26.8960)
contains.

XYZ(13.7997, 16.9070, 26.9621)	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(13.7997, 16.9070,
26.9621)**

Conversions

Conversions Part 1

Format	Color
Hex	417A8B
RGB	65, 122, 139
RGB Percent	25%, 48%, 55%
CMY	0.7451, 0.5216, 0.4549
CMYK	0.53, 0.12, 0.00, 0.45
HSL	194°, 36%, 40%
HSV	194°, 53%, 55%
XYZ	13.7997, 16.9070, 26.9621
YIQ	106.8950, -39.4290, -6.7970

Conversions

Conversions Part 2

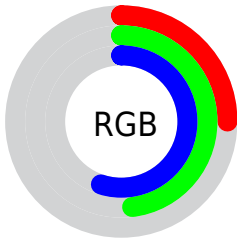
Format	Color
RYB	65, 97, 139
Decimal	4291211
CIELab	48.14, -13.68, -15.00
CIELCh	48, 20.305, 227.629
Yxy	16.9070, 0.2393, 0.2932
Android (android.graphics.Color)	4282481291 (0xFF417A8B)
YUV	106.8950, 15.8278, -36.7419
Hunter-Lab	41.1181, -12.0501, -10.0951

Details

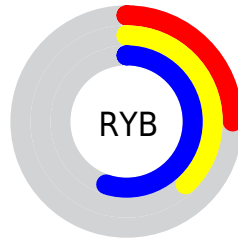
The XYZ color **13.7997, 16.9070, 26.9621** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.6192, 11.9055, 6.5290**, and the grayscale version is **13.9119, 14.6364, 15.9391**.

A 20% lighter version of the original color is **32.2329, 37.9739, 56.0829**, and **4.1857, 5.4864, 10.2896** is the 20% darker color. If you saturate the color by 10%, you get **12.6048, 15.7189, 26.7961**, and if you desaturate by 10%, it is **15.2350, 18.2389, 27.1438**.

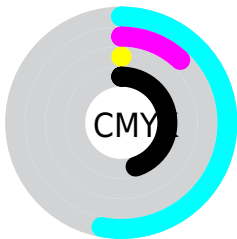
Distribution



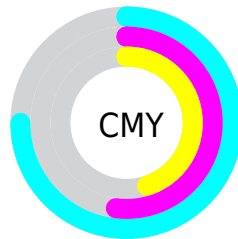
- Red (25%)
- Green (48%)
- Blue (55%)



- Red (25%)
- Yellow (38%)
- Blue (55%)



- Cyan (53%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)



- Cyan (75%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7997, 16.9070, 26.9621 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 13.7997, 16.9070, 26.9621 by changing the saturation by 10% instead.

■ 13.7997, 16.9070,
26.9621

■ 13.7997, 16.9070,
26.9621

209.5168,
234.6359, 301.2279

■ 8.0623, 10.1682,
17.3126

■ 32.3224, 38.1658,
55.8260

■ 4.1869, 5.5106,
10.2933

■ 45.8385, 53.4546,
75.8775

■ 1.8084, 2.5499,
5.4857

■ 62.6780, 72.3622,
100.2334

■ 0.5227, 0.9015,
2.4713

■ 83.2065, 95.2730,
129.3123

■ 0.0000, 0.0000,
0.8249

■ 107.7893,
122.5714, 163.5326

■ 0.0000, 0.0000,
0.0000

136.7917,

154.6417, 203.3130

170.5791,
191.8684, 249.0719

■ 13.7997, 16.9070,
26.9621

■ 13.7997, 16.9070,
26.9621

■ 12.6048, 15.7189,
26.7961

■ 15.2350, 18.2389,
27.1438

■ 11.6317, 14.6636,
26.6437

■ 16.9245, 19.7209,
27.3408

■ 10.8615, 13.7318,
26.5044

■ 18.8827, 21.3608,
27.5542

■ 10.2712, 12.9112,
26.3771

■ 21.1225, 23.1655,
27.7845

■ 9.9252, 12.3941,
26.2955

■ 23.6560, 25.1416,
28.0324

■ 26.4947, 27.2949,
28.2984

■ 29.6492, 29.6312,
28.5831

■ 33.1298, 32.1559,
28.8869

■ 36.9462, 34.8742,
29.2105

Harmonies

Analogous

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



12.9260, 16.9070, 21.6536



13.7997, 16.9070, 26.9621



15.3229, 16.9070, 30.1955

Triad

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



13.7997, 16.9070, 26.9621



19.7819, 16.9070, 20.6678



15.0210, 16.9070, 10.3376

Complementary

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



13.7997, 16.9070, 26.9621



14.6192, 11.9055, 6.5290

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.



16.8401, 16.9070, 10.1746



13.7997, 16.9070, 26.9621



19.6855, 16.9070, 15.5056

Square

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



13.7997, 16.9070, 26.9621



18.8298, 16.9070, 26.1227



18.5757, 16.9070, 11.8879



13.5933, 16.9070, 12.3861

Rectangle

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



13.7997, 16.9070, 26.9621



16.5442, 16.9070, 30.3986



18.5757, 16.9070, 11.8879



15.6041, 16.9070, 10.0768

Sweetspot

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



13.8002, 16.9076, 26.9625



36.5225, 40.4467, 49.6250



12.8994, 20.1840, 11.0077



8.2475, 9.1849, 11.4176



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.



13.8002, 16.9076, 26.9625



22.1645, 27.7223, 47.9257



10.1657, 9.6387, 25.7510



5.0771, 5.4971, 6.3993



8.9712, 11.2126, 23.7371



0.0706, 0.0965, 0.1613

Inverse Universe

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



16.0510, 10.6752, 19.6276



26.8371, 15.9784, 32.4306



18.0843, 18.8358, 7.6840



5.1855, 5.1097, 6.0655



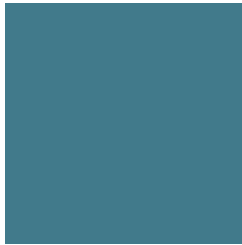
12.0150, 5.9161, 13.1154



0.0854, 0.0415, 0.1163

Previews

White Background



This preview shows how the XYZ color 13.7997, 16.9070, 26.9621 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 13.7997, 16.9070, 26.9621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

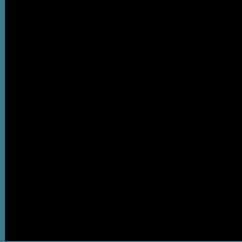
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

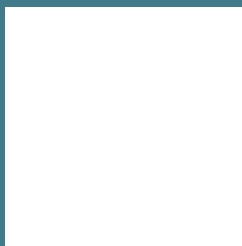
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7997, 16.9070, 26.9621

Background



This preview shows how black text looks on a background with the XYZ color 13.7997, 16.9070, 26.9621.

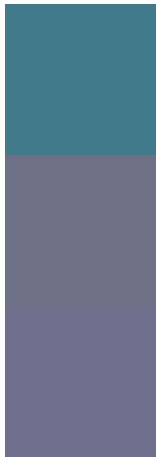


This preview shows how white text looks on a background with the XYZ color 13.7997, 16.9070,

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

13.7997, 16.9070, 26.9621

Protanopia

16.5692, 16.8187, 24.5633

Deuteranopia

17.0477, 16.6715, 27.5187



Tritanopia

13.3665, 16.9161, 24.7510

Trichromacy



Original Color

13.7997, 16.9070, 26.9621

Protanomaly

15.2347, 16.6197, 25.3266

Deuteranomaly

15.4805, 16.5346, 27.1865

Tritanomaly

13.5705, 17.0052, 25.4888

Monochromacy



Original Color

13.7997, 16.9070, 26.9621

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5376, 15.1956, 19.6723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7997, 16.9070, 26.9621 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(65, 122, 139)` looks like.

```
.text, #text, p{  
    color:rgb(65, 122, 139)  
}
```

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(65, 122, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 122, 139) }
```

Border

The CSS property to change the border of an element to XYZ 13.7997, 16.9070, 26.9621 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(65, 122, 139) }
```


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

```
.border{ border-color:rgb(65, 122, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 122, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 122, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 122, 139);  
box-shadow:4px 4px 4px 4px rgb(65, 122,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7997, 16.9070, 26.9621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 122, 139) }
```

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

```
.background{ background-color: rgb(65, 122,  
139) }
```

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