

Converting Colors

XYZ(13.8041, 19.9307, 16.6362)

Have a look what the booklet for
XYZ(13.8041, 19.9307, 16.6362)
contains.

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Color

**XYZ(13.7896, 19.8779,
16.7457)**

Conversions

Conversions Part 1

Format	Color
Hex	44886A
RGB	68, 136, 106
RGB Percent	27%, 53%, 42%
CMY	0.7333, 0.4667, 0.5843
CMYK	0.50, 0.00, 0.22, 0.47
HSL	154°, 33%, 40%
HSV	154°, 50%, 53%
XYZ	13.7896, 19.8779, 16.7457
YIQ	112.2480, -30.8980, -23.7460

Conversions

Conversions Part 2

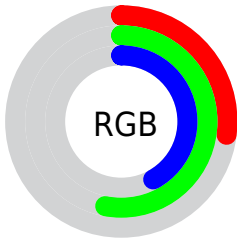
Format	Color
RYB	68, 112, 136
Decimal	4491370
CIELab	51.70, -29.08, 9.57
CIELCh	52, 30.610, 161.786
Yxy	19.8779, 0.2735, 0.3943
Android (android.graphics.Color)	4282681450 (0xFF44886A)
YUV	112.2480, -3.0803, -38.8055
Hunter-Lab	44.5846, -22.8148, 8.9403

Details

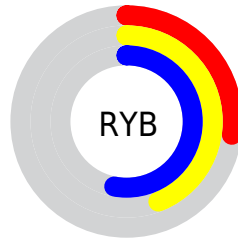
The XYZ color **13.7896, 19.8779, 16.7457** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4258, 10.2508, 12.7744**, and the grayscale version is **15.4897, 16.2964, 17.7467**.

A 20% lighter version of the original color is **32.3844, 43.3262, 38.5542**, and **4.2299, 7.0294, 5.2715** is the 20% darker color. If you saturate the color by 10%, you get **12.6478, 19.3246, 15.1202**, and if you desaturate by 10%, it is **15.1744, 20.5550, 18.4974**.

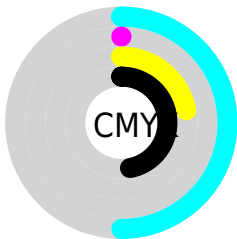
Distribution



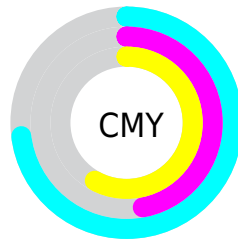
- Red (27%)
- Green (53%)
- Blue (42%)



- Red (27%)
- Yellow (44%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (47%)



- Cyan (73%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7896, 19.8779, 16.7457 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 13.7896, 19.8779, 16.7457 by changing the saturation by 10% instead.

■ 13.7896, 19.8779,
16.7457

■ 13.7896, 19.8779,
16.7457

209.4549,
251.2534, 245.6968

■ 8.0552, 12.3063,
9.8933

■ 32.3046, 43.2124,
38.6727

■ 4.1824, 6.9527,
5.2236

■ 45.8160, 59.7441,
54.5843

■ 1.8058, 3.4325,
2.3180

■ 62.6503, 80.0313,
74.3528

■ 0.5212, 1.3615,
0.7413

■ 83.1731, 104.4583,
98.3967

■ 0.0000, 0.1881,
0.0000

■ 107.7495,
133.4097, 127.1345

■ 0.0000, 0.0000,
0.0000

136.7451,

167.2697, 160.9847

170.5251,
206.4228, 200.3660

■ 13.7896, 19.8779,
16.7457

■ 13.7896, 19.8779,
16.7457

■ 12.6478, 19.3246,
15.1202

■ 15.1744, 20.5550,
18.4974

■ 11.7315, 18.8846,
13.6166

■ 16.8150, 21.3609,
20.3769

■ 11.0233, 18.5494,
12.2320

■ 18.7252, 22.3031,
22.3875

■ 10.5025, 18.3085,
10.9630

■ 20.9172, 23.3879,
24.5319

■ 10.1090, 18.1309,
9.8042

■ 23.4025, 24.6212,
26.8126

■ 10.1090, 18.1309,
9.8041

■ 26.1921, 26.0086,
29.2321

■ 29.2961, 27.5553,
31.7931

■ 32.7244, 29.2664,
34.4978

■ 36.4864, 31.1466,
37.3485

Harmonies

Analogous

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



15.2019, 19.8779, 11.2678



13.7896, 19.8779, 16.7457



13.6502, 19.8779, 25.3115

Triad

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



13.7896, 19.8779, 16.7457



20.1341, 19.8779, 42.9582



23.6825, 19.8779, 12.1642

Complementary

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



13.7896, 19.8779, 16.7457



14.4258, 10.2508, 12.7744

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.



25.3318, 19.8779, 18.3484



13.7896, 19.8779, 16.7457



23.1387, 19.8779, 36.9849

Square

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



13.7896, 19.8779, 16.7457



17.0952, 19.8779, 42.1825



25.1226, 19.8779, 27.4141



20.8133, 19.8779, 9.1635

Rectangle

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



13.7896, 19.8779, 16.7457



14.2766, 19.8779, 31.9094



25.1226, 19.8779, 27.4141



24.4114, 19.8779, 13.8560

Sweetspot

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



13.7901, 19.8787, 16.7462



34.7404, 40.1646, 41.1885



14.9502, 20.6567, 8.6683



7.8841, 9.2218, 9.3795



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.7901, 19.8787, 16.7462



22.0561, 33.9423, 26.2882



15.1614, 19.6731, 26.2917



5.0812, 5.6520, 5.9484



9.5722, 17.1615, 9.3039



0.0710, 0.1170, 0.1007

Inverse Universe

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



14.4258, 10.2508, 12.7744



23.3155, 14.9356, 18.4703



13.4761, 10.2096, 6.7295



5.1185, 5.0829, 5.7127



10.3864, 5.2647, 4.5391



0.0762, 0.0378, 0.0679

Previews

White Background



This preview shows how the XYZ color 13.7896, 19.8779, 16.7457 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 13.7896, 19.8779, 16.7457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

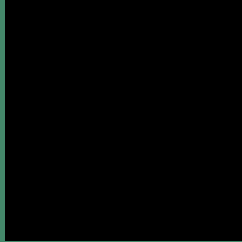
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7896, 19.8779, 16.7457

Background



This preview shows how black text looks on a background with the XYZ color 13.7896, 19.8779, 16.7457.



This preview shows how white text looks on a background with the XYZ color 13.7896, 19.8779,

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

13.7896, 19.8779, 16.7457

Protanopia

18.4176, 19.5657, 14.6102

Deuteranopia

19.9404, 19.5716, 17.4786



Tritanopia

16.1407, 19.8053, 28.5633

Trichromacy



Original Color

13.7896, 19.8779, 16.7457

Protanomaly

16.0510, 19.2639, 15.4427

Deuteranomaly

16.9040, 19.2821, 17.2989

Tritanomaly

15.1740, 19.8159, 23.7940

Monochromacy



Original Color

13.7896, 19.8779, 16.7457

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4757, 17.2873, 17.3257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7896, 19.8779, 16.7457 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(68, 136, 106)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 106)  
}
```

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(68, 136, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.7896, 19.8779, 16.7457 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(68, 136, 106) }
```


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

```
.border{ border-color:rgb(68, 136, 106) }
```

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

Here you see how a box with a 4 pixel rgb(68, 136, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 106);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7896, 19.8779, 16.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 106) }
```

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

```
.background{ background-color: rgb(68, 136,  
106) }
```

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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