

Converting Colors

XYZ(13.3979, 16.8031, 22.2758)

Have a look what the booklet for
XYZ(13.3979, 16.8031, 22.2758)
contains.

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Color

**XYZ(13.3979, 16.8031,
22.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	487A7E
RGB	72, 122, 126
RGB Percent	28%, 48%, 49%
CMY	0.7176, 0.5216, 0.5059
CMYK	0.43, 0.03, 0.00, 0.51
HSL	184°, 27%, 39%
HSV	184°, 43%, 49%
XYZ	13.3979, 16.8031, 22.2758
YIQ	107.5060, -31.0840, -9.3560

Conversions

Conversions Part 2

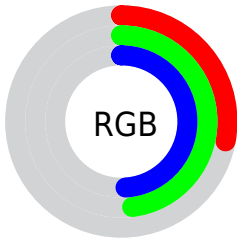
Format	Color
R_{YB}	72, 98, 126
Decimal	4749950
CIE _{Lab}	48.01, -15.69, -7.48
CIE _{LCh}	48, 17.385, 205.498
Yxy	16.8031, 0.2553, 0.3202
Android (android.graphics.Color)	4282940030 (0xFF487A7E)
YUV	107.5060, 9.1175, -31.1388
Hunter-Lab	40.9916, -13.3934, -3.5255

Details

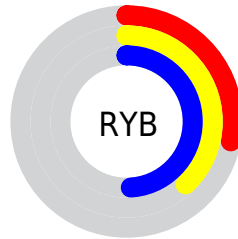
The XYZ color **13.3979, 16.8031, 22.2758** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3586, 10.0727, 7.4242**, and the grayscale version is **14.0978, 14.8319, 16.1520**.

A 20% lighter version of the original color is **31.7788, 38.1997, 48.3462**, and **3.9907, 5.4394, 7.8607** is the 20% darker color. If you saturate the color by 10%, you get **12.4393, 16.1400, 22.1986**, and if you desaturate by 10%, it is **14.5512, 17.5689, 22.3631**.

Distribution



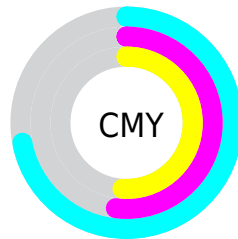
- Red (28%)
- Green (48%)
- Blue (49%)



- Red (28%)
- Yellow (38%)
- Blue (49%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (51%)



- Cyan (72%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3979, 16.8031, 22.2758 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 13.3979, 16.8031, 22.2758 by changing the saturation by 10% instead.

■ 13.3979, 16.8031,
22.2758

■ 13.3979, 16.8031,
22.2758

207.0387,
234.0351, 276.9835

■ 7.7820, 10.0942,
13.8594

■ 31.6121, 37.9869,
48.1094

■ 4.0064, 5.4615,
7.8853

■ 44.9410, 53.2306,
66.3638

■ 1.7058, 2.5205,
3.9349

■ 61.5717, 72.0881,
88.7346

■ 0.4599, 0.8869,
1.5897

■ 81.8695, 94.9437,
115.6403

■ 0.0000, 0.0000,
0.2835

■ 106.1998,
122.1818, 147.4995

■ 0.0000, 0.0000,
0.0000

134.9278,

154.1868, 184.7308

168.4190,
191.3431, 227.7526

■ 13.3979, 16.8031,
22.2758

■ 13.3979, 16.8031,
22.2758

■ 12.4393, 16.1400,
22.1986

■ 14.5512, 17.5689,
22.3631

■ 11.6620, 15.5717,
22.1299

■ 15.9085, 18.4412,
22.4600

■ 11.0533, 15.0919,
22.0694

■ 17.4803, 19.4257,
22.5671

■ 10.5984, 14.6930,
22.0163

■ 19.2761, 20.5273,
22.6851

■ 10.2792, 14.3656,
21.9700

■ 21.3046, 21.7505,
22.8143

■ 10.0889, 14.1522,
21.9388

■ 23.5742, 23.0996,
22.9551

■ 26.0927, 24.5788,
23.1079

■ 28.8679, 26.1919,
23.2730

■ 31.9069, 27.9427,
23.4507

Harmonies

Analogous

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



13.1462, 16.8031, 17.6253



13.3979, 16.8031, 22.2758



14.3211, 16.8031, 26.3862

Triad

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



13.3979, 16.8031, 22.2758



18.5903, 16.8031, 23.6433



16.2090, 16.8031, 10.9589

Complementary

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



13.3979, 16.8031, 22.2758



12.3586, 10.0727, 7.4242

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.



17.7427, 16.8031, 12.0553



13.3979, 16.8031, 22.2758



19.1736, 16.8031, 18.9829

Square

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



13.3979, 16.8031, 22.2758



17.3060, 16.8031, 27.2621



18.8537, 16.8031, 14.8204



14.7062, 16.8031, 11.5486

Rectangle

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



13.3979, 16.8031, 22.2758



15.2267, 16.8031, 28.0080



18.8537, 16.8031, 14.8204



16.7389, 16.8031, 11.1367

Sweetspot

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



13.3984, 16.8038, 22.2762



30.6364, 34.1110, 39.7137



11.4244, 16.8160, 9.4089



6.8451, 7.6822, 9.0251



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3984, 16.8038, 22.2762



21.9975, 28.4819, 39.0825



10.5671, 11.1412, 21.3324



4.4201, 4.8341, 5.5134



10.3487, 14.5160, 22.5064



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4348, 10.4759, 19.6743



24.1005, 15.9759, 33.7280



14.5848, 14.5250, 8.1662



4.4849, 4.4071, 5.3577



12.1005, 5.8599, 17.6510



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3979, 16.8031, 22.2758 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 13.3979, 16.8031, 22.2758 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

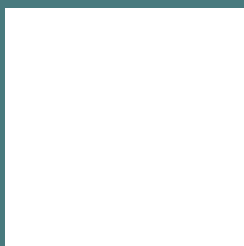
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3979, 16.8031, 22.2758

Background



This preview shows how black text looks on a background with the XYZ color 13.3979, 16.8031, 22.2758.



This preview shows how white text looks on a background with the XYZ color 13.3979, 16.8031,

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

13.3979, 16.8031, 22.2758

Protanopia

16.1053, 16.6770, 20.1394

Deuteranopia

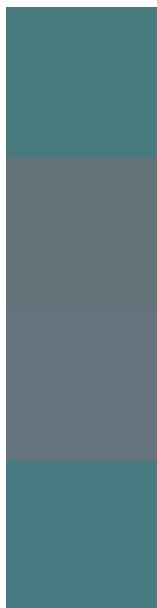
16.9168, 16.7093, 22.7557



Tritanopia

13.6818, 16.7299, 23.9808

Trichromacy



Original Color

13.3979, 16.8031, 22.2758

Protanomaly

14.7952, 16.4926, 20.8159

Deuteranomaly

15.3283, 16.5605, 22.4673

Tritanomaly

13.5475, 16.6762, 23.2737

Monochromacy



Original Color

13.3979, 16.8031, 22.2758

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7190, 15.4810, 18.4847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3979, 16.8031, 22.2758 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(72, 122, 126)` looks like.

```
.text, #text, p{  
    color:rgb(72, 122, 126)  
}
```

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(72, 122, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 122, 126) }
```

Border

The CSS property to change the border of an element to XYZ 13.3979, 16.8031, 22.2758 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(72, 122, 126) }
```


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

```
.border{ border-color:rgb(72, 122, 126) }
```

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

Here you see how a box with a 4 pixel rgb(72, 122, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 122, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 122, 126);  
box-shadow:4px 4px 4px 4px rgb(72, 122,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3979, 16.8031, 22.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 122, 126) }
```

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

```
.background{ background-color: rgb(72, 122,  
126) }
```

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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