

Converting Colors

XYZ(13.3685, 16.0519, 22.2157)

Have a look what the booklet for
XYZ(13.3685, 16.0519, 22.2157)
contains.

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Color

**XYZ(13.3862, 16.0829,
22.1375)**

Conversions

Conversions Part 1

Format	Color
Hex	4E767E
RGB	78, 118, 126
RGB Percent	31%, 46%, 49%
CMY	0.6941, 0.5372, 0.5059
CMYK	0.38, 0.06, 0.00, 0.51
HSL	190°, 24%, 40%
HSV	190°, 38%, 49%
XYZ	13.3862, 16.0829, 22.1375
YIQ	106.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

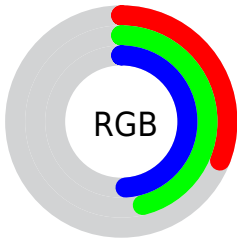
Format	Color
RYB	78, 100, 126
Decimal	5142142
CIELab	47.08, -11.77, -8.84
CIELCh	47, 14.718, 216.911
Yxy	16.0829, 0.2594, 0.3116
Android (android.graphics.Color)	4283332222 (0xFF4E767E)
YUV	106.9520, 9.3907, -25.3909
Hunter-Lab	40.1035, -10.5993, -4.6562

Details

The XYZ color **13.3862, 16.0829, 22.1375** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3074, 11.6415, 8.7538**, and the grayscale version is **13.9422, 14.6683, 15.9738**.

A 20% lighter version of the original color is **31.5647, 36.6713, 48.0624**, and **4.0086, 5.1630, 7.8065** is the 20% darker color. If you saturate the color by 10%, you get **12.2068, 15.1122, 22.0126**, and if you desaturate by 10%, it is **14.7699, 17.1678, 22.2743**.

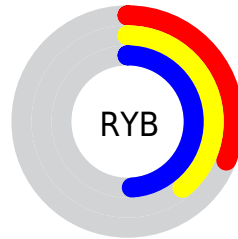
Distribution



Red (31%)

Green (46%)

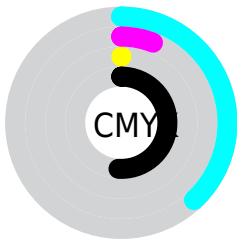
Blue (49%)



Red (31%)

Yellow (39%)

Blue (49%)

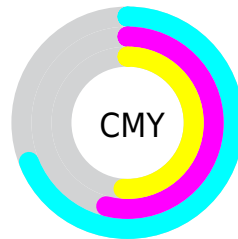


Cyan (38%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (69%)

Magenta (54%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3862, 16.0829, 22.1375 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 13.3862, 16.0829, 22.1375 by changing the saturation by 10% instead.

■ 13.3862, 16.0829,
22.1375

■ 13.3862, 16.0829,
22.1375

206.9661,
229.8304, 276.2404

■ 7.7738, 9.5828,
13.7587

■ 31.5913, 36.7421,
47.8783

■ 4.0012, 5.1233,
7.8162

■ 44.9148, 51.6699,
66.0773

■ 1.7028, 2.3198,
3.8915

■ 61.5394, 70.1759,
88.3868

■ 0.4580, 0.7841,
1.5660

■ 81.8304, 92.6443,
115.2253

■ 0.0000, 0.0000,
0.2664

■ 106.1533,
119.4596, 147.0114

■ 0.0000, 0.0000,
0.0000

134.8732,

151.0061, 184.1636

168.3557,
187.6682, 227.1004

■ 13.3862, 16.0829,
22.1375

■ 13.3862, 16.0829,
22.1375

■ 12.2068, 15.1122,
22.0126

■ 14.7699, 17.1678,
22.2743

■ 11.2188, 14.2480,
21.8978

■ 16.3670, 18.3706,
22.4222

■ 10.4103, 13.4844,
21.7931

■ 18.1876, 19.6968,
22.5823

■ 9.7672, 12.8141,
21.6976

■ 20.2409, 21.1514,
22.7548

■ 9.2733, 12.2286,
21.6106

■ 22.5356, 22.7387,
22.9402

■ 8.8888, 11.7074,
21.5303

■ 25.0796, 24.4630,
23.1390

■ 8.8179, 11.6102,
21.5152

■ 27.8809, 26.3284,
23.3514

■ 30.9469, 28.3388,
23.5779

■ 34.2847, 30.4979,
23.8187

Harmonies

Analogous

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



12.9521, 16.0829, 18.3810



13.3862, 16.0829, 22.1375



14.3334, 16.0829, 24.8991

Triad

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



13.3862, 16.0829, 22.1375



17.6854, 16.0829, 20.4500



14.9896, 16.0829, 11.3597

Complementary

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



13.3862, 16.0829, 22.1375



13.3074, 11.6415, 8.7538

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.



16.2806, 16.0829, 11.7522



13.3862, 16.0829, 22.1375



17.8854, 16.0829, 16.6700

Square

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



13.3862, 16.0829, 22.1375



16.8261, 16.0829, 23.8330



17.3582, 16.0829, 13.5796



13.8434, 16.0829, 12.4201

Rectangle

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



13.3862, 16.0829, 22.1375



15.1529, 16.0829, 25.6128



17.3582, 16.0829, 13.5796



15.4205, 16.0829, 11.3288

Sweetspot

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



13.3867, 16.0835, 22.1379



30.9566, 33.9077, 39.6576



12.2508, 17.2008, 11.3108



6.9621, 7.6552, 9.0137



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.



13.3867, 16.0835, 22.1379



21.6821, 26.7659, 38.7679



10.9824, 11.2749, 21.3364



4.3874, 4.7688, 5.5025



9.0435, 11.9056, 22.0713



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.5990, 11.1928, 18.5312



24.2062, 17.0324, 31.1579



15.4697, 15.9661, 9.4745



4.4684, 4.4005, 5.2709



11.4417, 5.5964, 14.1818



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3862, 16.0829, 22.1375 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 13.3862, 16.0829, 22.1375 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

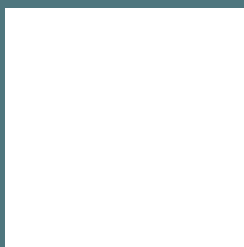
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3862, 16.0829, 22.1375

Background



This preview shows how black text looks on a background with the XYZ color 13.3862, 16.0829, 22.1375.



This preview shows how white text looks on a background with the XYZ color 13.3862, 16.0829,

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

13.3862, 16.0829, 22.1375

Protanopia

15.4575, 15.8473, 20.3333

Deuteranopia

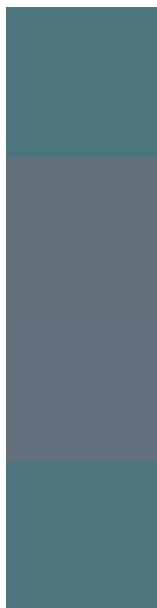
16.1983, 15.8610, 22.6298



Tritanopia

13.4511, 16.1089, 22.4790

Trichromacy



Original Color

13.3862, 16.0829, 22.1375

Protanomaly

14.5173, 15.8370, 21.0306

Deuteranomaly

14.9918, 15.8873, 22.3551

Tritanomaly

13.4511, 16.1089, 22.4790

Monochromacy



Original Color

13.3862, 16.0829, 22.1375

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5456, 15.0706, 18.1146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3862, 16.0829, 22.1375 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(78, 118, 126)` looks like.

```
.text, #text, p{  
    color:rgb(78, 118, 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(78, 118, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 118, 126) }
```

Border

The CSS property to change the border of an element to XYZ 13.3862, 16.0829, 22.1375 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(78, 118, 126) }
```


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

```
.border{ border-color:rgb(78, 118, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 118, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 118, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 118, 126);  
box-shadow:4px 4px 4px 4px rgb(78, 118,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3862, 16.0829, 22.1375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 118, 126) }
```

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

```
.background{ background-color: rgb(78, 118,  
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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