

Converting Colors

XYZ(16.2269, 16.7910, 22.6357)

Have a look what the booklet for
XYZ(16.2269, 16.7910, 22.6357)
contains.

| | |
|--|----|
| XYZ(16.3440, 16.9081, 22.8242) | 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(16.3440, 16.9081,
22.8242)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 6E7280 |
| RGB | 110, 114, 128 |
| RGB Percent | 43%, 45%, 50% |
| CMY | 0.5686, 0.5529, 0.4980 |
| CMYK | 0.14, 0.11, 0.00, 0.50 |
| HSL | 227°, 8%, 47% |
| HSV | 227°, 14%, 50% |
| XYZ | 16.3440, 16.9081, 22.8242 |
| YIQ | 114.4000, -6.8780, 3.5060 |

Conversions

Conversions Part 2

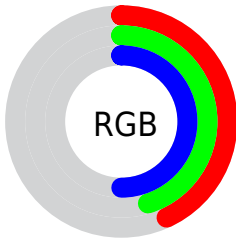
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 110, 113, 128 |
| Decimal | 7238272 |
| CIE Lab | 48.14, 1.56, -8.21 |
| CIE LCh | 48, 8.360, 280.746 |
| Yxy | 16.9081, 0.2915, 0.3015 |
| Android (android.graphics.Color) | 4285428352 (0xFF6E7280) |
| YUV | 114.4000, 6.7048, -3.8588 |
| Hunter-Lab | 41.1195, -1.0096, -4.1265 |

Details

The XYZ color **16.3440, 16.9081, 22.8242** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9243, 20.1303, 17.6404**, and the grayscale version is **16.0967, 16.9350, 18.4422**.

A 20% lighter version of the original color is **36.8770, 38.2900, 49.1631**, and **5.3461, 5.4851, 8.1741** is the 20% darker color. If you saturate the color by 10%, you get **13.8027, 14.0212, 22.4012**, and if you desaturate by 10%, it is **19.2386, 20.1594, 23.2995**.

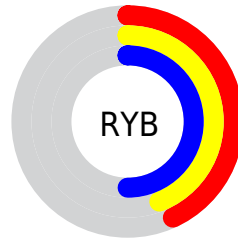
Distribution



Red (43%)

Green (45%)

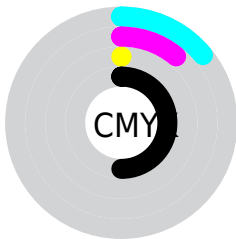
Blue (50%)



Red (43%)

Yellow (44%)

Blue (50%)

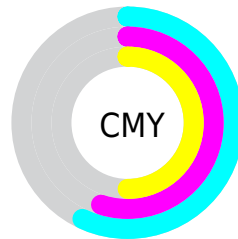


Cyan (14%)

Magenta (11%)

Yellow (0%)

Black (50%)



Cyan (57%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3440, 16.9081, 22.8242 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 16.3440, 16.9081, 22.8242 by changing the saturation by 10% instead.

■ 16.3440, 16.9081,
22.8242

■ 16.3440, 16.9081,
22.8242

224.5938,
234.6422, 279.9134

■ 9.8603, 10.1690,
14.2597

■ 36.7470, 38.1677,
49.0240

■ 5.3680, 5.5111,
8.1607

■ 51.3971, 53.4570,
67.4964

■ 2.5017, 2.5502,
4.1087

■ 69.4999, 72.3651,
90.1085

■ 0.8961, 0.9017,
1.6852

■ 91.4209, 95.2765,
117.2788

■ 0.0000, 0.0000,
0.3505

117.5255,
122.5755, 149.4259

■ 0.0000, 0.0000,
0.0000

148.1789,

154.6465, 186.9684

183.7466,
191.8740, 230.3247

■ 16.3440, 16.9081,
22.8242

■ 16.3440, 16.9081,
22.8242

■ 13.8027, 14.0212,
22.4012

■ 19.2386, 20.1594,
23.2995

■ 11.5995, 11.4839,
22.0275

■ 22.4980, 23.7854,
23.8276

■ 9.7202, 9.2831,
21.7018

■ 26.1349, 27.7981,
24.4104

■ 8.1492, 7.4044,
21.4220

■ 30.1611, 32.2089,
25.0496

■ 6.8694, 5.8320,
21.1859

■ 34.5877, 37.0283,
25.7465

■ 5.8619, 4.5491,
20.9914

■ 39.4255, 42.2666,
26.5026

■ 5.1057, 3.5367,
20.8359

■ 44.6849, 47.9338,
27.3193

■ 4.5740, 2.7726,
20.7164

■ 50.3756, 54.0392,
28.1978

■ 4.3224, 2.4107,
20.6598

■ 56.5075, 60.5922,
29.1395

Harmonies

Analogous

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



15.5947, 16.9081, 22.6397



16.3440, 16.9081, 22.8242



17.0411, 16.9081, 21.7578

Triad

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



16.3440, 16.9081, 22.8242



17.2006, 16.9081, 15.8171



14.7333, 16.9081, 17.0673

Complementary

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



16.3440, 16.9081, 22.8242



18.9243, 20.1303, 17.6404

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.



15.1378, 16.9081, 15.4246



16.3440, 16.9081, 22.8242



16.5562, 16.9081, 14.7430

Square

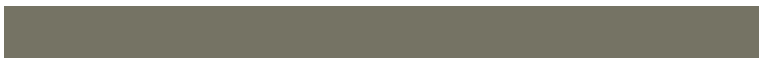
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.3440, 16.9081, 22.8242



17.5459, 16.9081, 17.6425



15.8003, 16.9081, 14.6052



14.6805, 16.9081, 19.1996

Rectangle

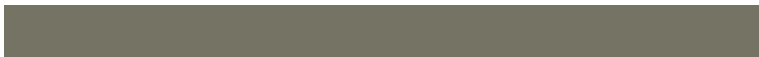
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.3440, 16.9081, 22.8242



17.3764, 16.9081, 20.5267



15.8003, 16.9081, 14.6052



14.8320, 16.9081, 16.4442

Sweetspot

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



16.3445, 16.9088, 22.8246



33.8559, 35.4752, 41.0193



17.7754, 20.2038, 21.9657



7.8429, 8.2121, 9.5901



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.



16.3445, 16.9088, 22.8246



27.2191, 28.0078, 39.9277



16.5165, 16.3421, 22.7061



4.1804, 4.3548, 5.4335



4.2868, 2.3922, 20.4857



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.5157, 16.9564, 18.2701



29.7223, 28.1431, 30.1855



18.7310, 20.7901, 17.7779



4.3639, 4.3587, 4.7208



9.0408, 4.6360, 1.5385



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.3440, 16.9081, 22.8242 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 16.3440, 16.9081, 22.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

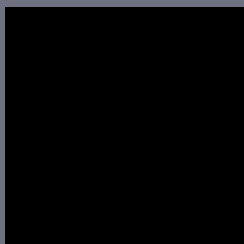
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

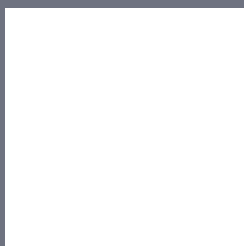
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3440, 16.9081, 22.8242

Background



This preview shows how black text looks on a background with the XYZ color 16.3440, 16.9081, 22.8242.

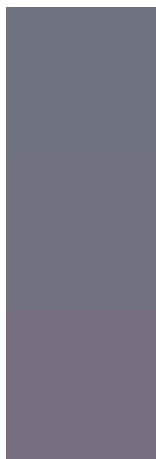


This preview shows how white text looks on a background with the XYZ color 16.3440, 16.9081,

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

16.3440, 16.9081, 22.8242

Protanopia

16.4835, 16.8135, 22.7986

Deuteranopia

17.2546, 16.8758, 23.1168



Tritanopia

16.0755, 16.9679, 21.4966

Trichromacy



Original Color

16.3440, 16.9081, 22.8242

Protanomaly

16.3570, 16.7483, 22.7927

Deuteranomaly

16.9591, 16.8863, 23.1344

Tritanomaly

16.1391, 16.9933, 21.8315

Monochromacy



Original Color

16.3440, 16.9081, 22.8242

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1571, 16.8772, 19.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3440, 16.9081, 22.8242 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(110, 114, 128)` looks like.

```
.text, #text, p{  
    color:rgb(110, 114, 128)  
}
```

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(110, 114, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 114, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.3440, 16.9081, 22.8242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

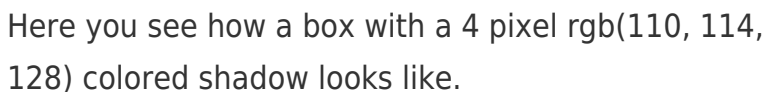
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 114, 128) }
```


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

```
.border{ border-color:rgb(110, 114, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 114, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 114, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 114, 128); box-shadow:4px 4px 4px 4px rgb(110, 114, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3440, 16.9081, 22.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 114, 128) }
```

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

```
.background{ background-color: rgb(110,  
114, 128) }
```

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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