

Converting Colors

XYZ(15.2920, 16.0521, 22.5423)

Have a look what the booklet for
XYZ(15.2920, 16.0521, 22.5423)
contains.

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Color

**XYZ(15.2840, 16.0304,
22.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	677080
RGB	103, 112, 128
RGB Percent	40%, 44%, 50%
CMY	0.5961, 0.5608, 0.4980
CMYK	0.20, 0.12, 0.00, 0.50
HSL	218°, 11%, 45%
HSV	218°, 20%, 50%
XYZ	15.2840, 16.0304, 22.7107
YIQ	111.1330, -10.5000, 3.0680

Conversions

Conversions Part 2

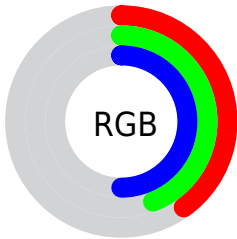
Format	Color
R _Y B	103, 110, 128
Decimal	6779008
CIE Lab	47.01, 0.28, -9.96
CIE LCh	47, 9.968, 271.624
Yxy	16.0304, 0.2829, 0.2967
Android (android.graphics.Color)	4284969088 (0xFF677080)
YUV	111.1330, 8.3154, -7.1326
Hunter-Lab	40.0380, -1.9263, -5.6044

Details

The XYZ color **15.2840, 16.0304, 22.7107** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9473, 18.7623, 15.5080**, and the grayscale version is **15.1272, 15.9150, 17.3314**.

A 20% lighter version of the original color is **34.9424, 36.7571, 48.9692**, and **4.8756, 5.0721, 8.1192** is the 20% darker color. If you saturate the color by 10%, you get **13.0637, 13.6049, 22.3598**, and if you desaturate by 10%, it is **17.8123, 18.7376, 23.1002**.

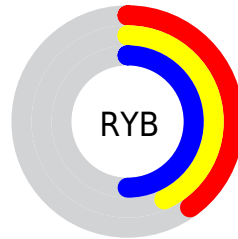
Distribution



Red (40%)

Green (44%)

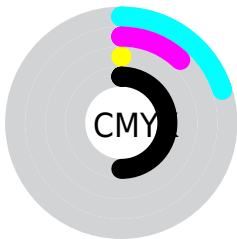
Blue (50%)



Red (40%)

Yellow (43%)

Blue (50%)

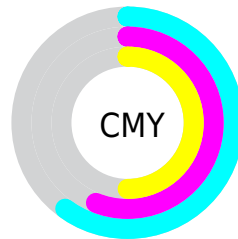


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2840, 16.0304, 22.7107 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 15.2840, 16.0304, 22.7107 by changing the saturation by 10% instead.

■ 15.2840, 16.0304,
22.7107

■ 15.2840, 16.0304,
22.7107

218.4333,
229.5210, 279.3092

■ 9.1066, 9.5457,
14.1767

■ 34.9182, 36.6510,
48.8350

■ 4.8684, 5.0988,
8.1035

■ 49.1057, 51.5556,
67.2625

■ 2.2042, 2.3053,
4.0726

■ 66.6939, 70.0357,
89.8248

■ 0.7450, 0.7765,
1.6652

■ 88.0482, 92.4755,
116.9406

■ 0.0000, 0.0000,
0.3367

113.5339,
119.2596, 149.0284

■ 0.0000, 0.0000,
0.0000

143.5164,

150.7723, 186.5068

178.3611,
187.3980, 229.7942

■ 15.2840, 16.0304,
22.7107

■ 15.2840, 16.0304,
22.7107

■ 13.0637, 13.6049,
22.3598

■ 17.8123, 18.7376,
23.1002

■ 11.1376, 11.4495,
22.0453

■ 20.6588, 21.7337,
23.5285

■ 9.4929, 9.5546,
21.7662

■ 23.8350, 25.0279,
23.9970

■ 8.1153, 7.9094,
21.5213

■ 27.3514, 28.6286,
24.5066

■ 6.9891, 6.5020,
21.3090

■ 31.2179, 32.5438,
25.0585

■ 6.0969, 5.3195,
21.1278

■ 35.4442, 36.7810,
25.6537

■ 5.4184, 4.3475,
20.9759

■ 40.0394, 41.3477,
26.2929

■ 4.8993, 3.5533,
20.8500

■ 45.0124, 46.2511,
26.9773

■ 4.8766, 3.5191,
20.8446

■ 50.3718, 51.4980,
27.7076

Harmonies

Analogous

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



14.4530, 16.0304, 22.0319



15.2840, 16.0304, 22.7107



16.1330, 16.0304, 21.8733

Triad

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



15.2840, 16.0304, 22.7107



16.7100, 16.0304, 15.0545



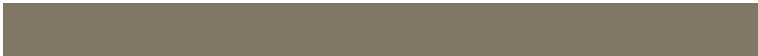
13.8076, 16.0304, 15.2692

Complementary

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



15.2840, 16.0304, 22.7107



17.9473, 18.7623, 15.5080

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.



14.3736, 16.0304, 13.6747



15.2840, 16.0304, 22.7107



16.0477, 16.0304, 13.5594

Square

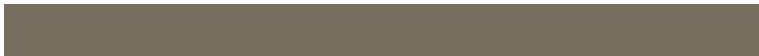
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.2840, 16.0304, 22.7107



16.9755, 16.0304, 17.3186



15.1889, 16.0304, 13.0790



13.6203, 16.0304, 17.5909

Rectangle

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



15.2840, 16.0304, 22.7107



16.5897, 16.0304, 20.6101



15.1889, 16.0304, 13.0790



13.9588, 16.0304, 14.6384

Sweetspot

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



15.2845, 16.0311, 22.7111



32.9972, 34.7216, 40.9191



16.6328, 19.6502, 20.3169



7.6659, 8.0663, 9.5713



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.



15.2845, 16.0311, 22.7111



25.2832, 26.4584, 39.7307



14.7305, 14.3441, 22.4146



4.2258, 4.4455, 5.4486



4.8367, 3.4919, 20.6690



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6774, 15.4600, 17.4350



28.1782, 25.3550, 28.7460



18.5765, 20.7528, 15.8591



4.3868, 4.3679, 4.8413



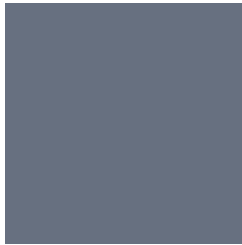
9.3183, 4.7470, 3.0000



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.2840, 16.0304, 22.7107 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 15.2840, 16.0304, 22.7107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

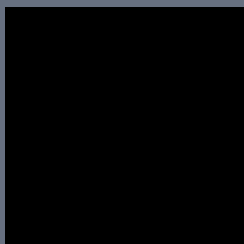
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

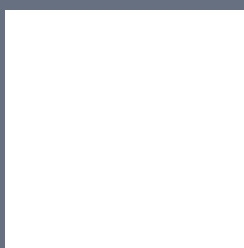
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2840, 16.0304, 22.7107

Background



This preview shows how black text looks on a background with the XYZ color 15.2840, 16.0304, 22.7107.



This preview shows how white text looks on a background with the XYZ color 15.2840, 16.0304,

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

15.2840, 16.0304, 22.7107

Protanopia

15.7134, 15.9354, 22.3263

Deuteranopia

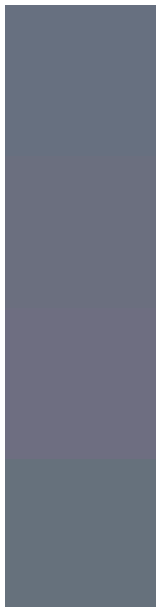
16.3705, 16.0997, 23.0136



Tritanopia

14.8975, 16.0402, 20.7232

Trichromacy



Original Color

15.2840, 16.0304, 22.7107

Protanomaly

15.5786, 16.0270, 22.3511

Deuteranomaly

15.9688, 16.0518, 23.0255

Tritanomaly

15.0227, 16.0903, 21.3827

Monochromacy



Original Color

15.2840, 16.0304, 22.7107

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0797, 15.8414, 19.0925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2840, 16.0304, 22.7107 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(103, 112, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 112, 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(103, 112, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 128) }
```

Border

The CSS property to change the border of an element to XYZ 15.2840, 16.0304, 22.7107 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(103, 112, 128) }
```


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

```
.border{ border-color:rgb(103, 112, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 112, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 128);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2840, 16.0304, 22.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 128) }
```

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

```
.background{ background-color: rgb(103,  
112, 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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