

Converting Colors

XYZ(14.2421, 15.2192, 27.6743)

Have a look what the booklet for
XYZ(14.2421, 15.2192, 27.6743)
contains.

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Color

**XYZ(14.2231, 15.2067,
27.7767)**

Conversions

Conversions Part 1

Format	Color
Hex	546F8E
RGB	84, 111, 142
RGB Percent	33%, 44%, 56%
CMY	0.6706, 0.5647, 0.4431
CMYK	0.41, 0.22, 0.00, 0.44
HSL	212°, 26%, 44%
HSV	212°, 41%, 56%
XYZ	14.2231, 15.2067, 27.7767
YIQ	106.4610, -26.0430, 3.9170

Conversions

Conversions Part 2

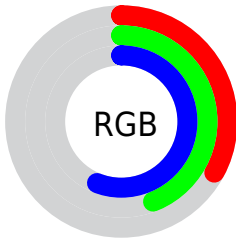
Format	Color
R _Y B	84, 102, 142
Decimal	5533582
CIE Lab	45.92, -1.43, -20.09
CIE LCh	46, 20.143, 265.941
Yxy	15.2067, 0.2486, 0.2658
Android (android.graphics.Color)	4283723662 (0xFF546F8E)
YUV	106.4610, 17.5207, -19.6983
Hunter-Lab	38.9958, -3.1375, -14.9352

Details

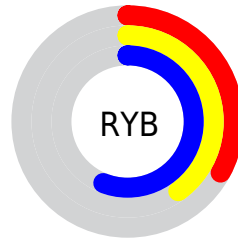
The XYZ color **14.2231, 15.2067, 27.7767** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.8867, 18.6528, 10.9930**, and the grayscale version is **13.7851, 14.5030, 15.7937**.

A 20% lighter version of the original color is **33.2143, 35.4141, 57.3096**, and **4.4248, 4.7796, 10.8146** is the 20% darker color. If you saturate the color by 10%, you get **12.2855, 13.0305, 27.4591**, and if you desaturate by 10%, it is **16.4898, 17.6576, 28.1306**.

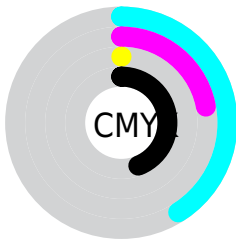
Distribution



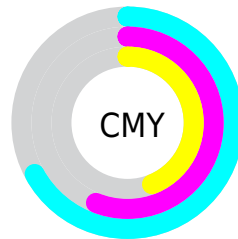
- Red (33%)
- Green (44%)
- Blue (56%)



- Red (33%)
- Yellow (40%)
- Blue (56%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)
- Black (44%)



- Cyan (67%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2231, 15.2067, 27.7767 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 14.2231, 15.2067, 27.7767 by changing the saturation by 10% instead.

■ 14.2231, 15.2067,
27.7767

■ 14.2231, 15.2067,
27.7767

■ 212.0973,
224.6139, 305.2767

■ 8.3587, 8.9646,
17.9198

■ 33.0673, 35.2154,
57.1465

■ 4.3791, 4.7181,
10.7236

■ 46.7779, 49.7507,
77.4966

■ 1.9187, 2.0828,
5.7695

■ 63.8346, 67.8193,
102.1814

■ 0.5877, 0.6549,
2.6389

■ 84.6028, 89.8055,
131.6196

■ 0.0000, 0.0000,
0.9124

■ 109.4478,
116.0936, 166.2297

■ 0.0000, 0.0000,
0.0000

138.7350,

147.0681, 206.4302

172.8297,
183.1134, 252.6397

■ 14.2231, 15.2067,
27.7767

■ 14.2231, 15.2067,
27.7767

■ 12.2855, 13.0305,
27.4591

■ 16.4898, 17.6576,
28.1306

■ 10.6580, 11.1158,
27.1752

■ 19.1001, 20.3924,
28.5209

■ 9.3220, 9.4505,
26.9242

■ 22.0694, 23.4216,
28.9491

■ 8.2559, 8.0208,
26.7045

■ 25.4117, 26.7547,
29.4163

■ 7.4346, 6.8108,
26.5142

■ 29.1403, 30.4010,
29.9236

■ 6.8368, 5.8616,
26.3625

■ 33.2676, 34.3690,
30.4719

■ 37.8057, 38.6671,
31.0623

■ 42.7659, 43.3032,
31.6958

■ 48.1593, 48.2850,
32.3731

Harmonies

Analogous

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



12.6971, 15.2067, 25.5995



14.2231, 15.2067, 27.7767



15.9329, 15.2067, 26.4968

Triad

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



14.2231, 15.2067, 27.7767



17.6007, 15.2067, 12.7866



11.9082, 15.2067, 11.8436

Complementary

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



14.2231, 15.2067, 27.7767



18.8867, 18.6528, 10.9930

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.



13.0686, 15.2067, 9.4784



14.2231, 15.2067, 27.7767



16.3649, 15.2067, 9.9432

Square

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



14.2231, 15.2067, 27.7767



17.9699, 15.2067, 17.2298



14.6864, 15.2067, 8.8576



11.4287, 15.2067, 15.9029

Rectangle

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



14.2231, 15.2067, 27.7767



16.9352, 15.2067, 23.9679



14.6864, 15.2067, 8.8576



12.2270, 15.2067, 10.8576

Sweetspot

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



14.2236, 15.2073, 27.7771



38.1416, 40.5184, 50.9384



16.4203, 22.4674, 19.6713



8.3862, 8.9154, 11.3583



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.2236, 15.2073, 27.7771



21.9249, 23.2767, 48.4652



11.8849, 10.2695, 26.9472



5.3236, 5.6429, 6.8374



6.1566, 5.2991, 23.6754



0.0806, 0.0941, 0.2336

Inverse Universe

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



17.1953, 13.2397, 16.6887



28.0515, 19.8457, 25.4648



22.1000, 25.5676, 12.1583



5.5068, 5.4632, 6.1668



10.9107, 5.5213, 5.1809



0.1153, 0.0572, 0.1072

Previews

White Background



This preview shows how the XYZ color 14.2231, 15.2067, 27.7767 looks on a white background.

Color Contrast Check

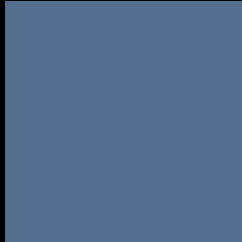
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2231, 15.2067, 27.7767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

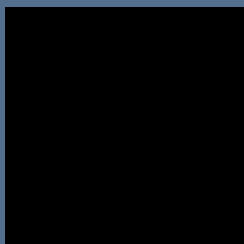
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

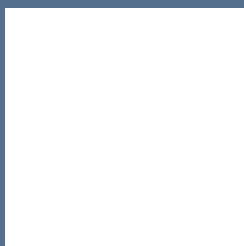
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.2231, 15.2067, 27.7767

Background



This preview shows how black text looks on a background with the XYZ color 14.2231, 15.2067, 27.7767.

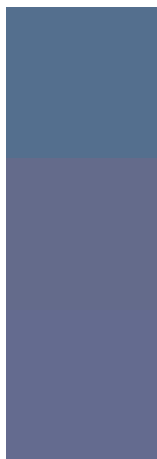


This preview shows how white text looks on a background with the XYZ color 14.2231, 15.2067,

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

14.2231, 15.2067, 27.7767

Protanopia

15.1734, 15.0888, 26.5388

Deuteranopia

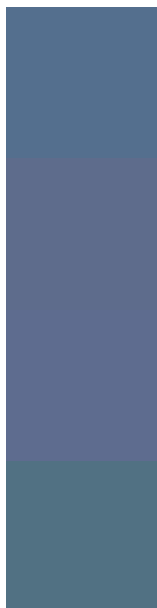
15.4712, 15.2079, 28.1066



Tritanopia

12.8799, 15.1521, 21.3146

Trichromacy



Original Color

14.2231, 15.2067, 27.7767

Protanomaly

14.7123, 14.9983, 26.9305

Deuteranomaly

14.9366, 15.0880, 28.1116

Tritanomaly

13.3952, 15.1983, 23.7003

Monochromacy



Original Color

14.2231, 15.2067, 27.7767

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7293, 14.6537, 19.5576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2231, 15.2067, 27.7767 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(84, 111, 142)` looks like.

```
.text, #text, p{  
    color:rgb(84, 111, 142)  
}
```

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(84, 111, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 111, 142) }
```

Border

The CSS property to change the border of an element to XYZ 14.2231, 15.2067, 27.7767 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(84, 111, 142) }
```


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

```
.border{ border-color:rgb(84, 111, 142) }
```

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

Here you see how a box with a 4 pixel rgb(84, 111, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 111, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 111, 142);  
box-shadow:4px 4px 4px 4px rgb(84, 111,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2231, 15.2067, 27.7767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 111, 142) }
```

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

```
.background{ background-color: rgb(84, 111,  
142) }
```

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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