

Converting Colors

XYZ(15.9627, 16.2617, 28.0608)

Have a look what the booklet for
XYZ(15.9627, 16.2617, 28.0608)
contains.

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Color

**XYZ(15.9322, 16.2507,
27.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	64708E
RGB	100, 112, 142
RGB Percent	39%, 44%, 56%
CMY	0.6078, 0.5608, 0.4431
CMYK	0.30, 0.21, 0.00, 0.44
HSL	223°, 17%, 47%
HSV	223°, 30%, 56%
XYZ	15.9322, 16.2507, 27.8882
YIQ	111.8320, -16.7820, 6.7860

Conversions

Conversions Part 2

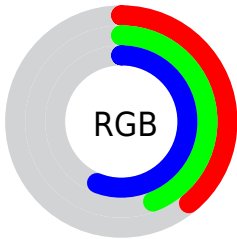
Format	Color
R _Y B	100, 109, 142
Decimal	6582414
CIE Lab	47.30, 2.83, -17.87
CIE LCh	47, 18.096, 279.012
Yxy	16.2507, 0.2652, 0.2705
Android (android.graphics.Color)	4284772494 (0xFF64708E)
YUV	111.8320, 14.8728, -10.3767
Hunter-Lab	40.3122, 0.0006, -12.7987

Details

The XYZ color **15.9322, 16.2507, 27.8882** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.4384, 22.6363, 15.2964**, and the grayscale version is **15.3137, 16.1112, 17.5451**.

A 20% lighter version of the original color is **36.1882, 37.2118, 57.4998**, and **5.1813, 5.1696, 10.8500** is the 20% darker color. If you saturate the color by 10%, you get **13.4397, 13.3973, 27.4691**, and if you desaturate by 10%, it is **18.8256, 19.4987, 28.3629**.

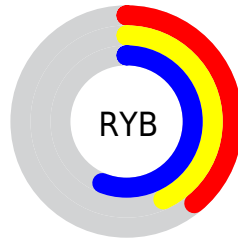
Distribution



Red (39%)

Green (44%)

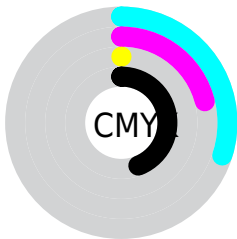
Blue (56%)



Red (39%)

Yellow (43%)

Blue (56%)

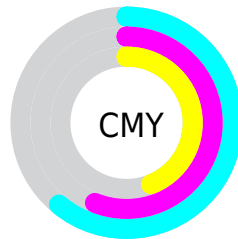


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9322, 16.2507, 27.8882 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 15.9322, 16.2507, 27.8882 by changing the saturation by 10% instead.

■ 15.9322, 16.2507,
27.8882

■ 15.9322, 16.2507,
27.8882

222.2196,
230.8165, 305.8274

■ 9.5667, 9.7017,
18.0031

■ 36.0389, 37.0329,
57.3268

■ 5.1727, 5.2016,
10.7827

■ 50.5108, 52.0349,
77.7175

■ 2.3847, 2.3661,
5.8086

■ 68.4155, 70.6234,
102.4470

■ 0.8375, 0.8083,
2.6622

■ 90.1185, 93.1827,
131.9340

■ 0.0000, 0.0000,
0.9243

115.9850,
120.0973, 166.5970

■ 0.0000, 0.0000,
0.0000

146.3805,

151.7515, 206.8546

181.6702,
188.5298, 253.1252

■ 15.9322, 16.2507,
27.8882

■ 15.9322, 16.2507,
27.8882

■ 13.4397, 13.3973,
27.4691

■ 18.8256, 19.4987,
28.3629

■ 11.3281, 10.9209,
27.1024

■ 22.1356, 23.1541,
28.8940

■ 9.5782, 8.8054,
26.7863

■ 25.8786, 27.2315,
29.4838

■ 8.1681, 7.0326,
26.5184

■ 30.0700, 31.7441,
30.1339

■ 7.0735, 5.5827,
26.2963

■ 34.7243, 36.7046,
30.8460

■ 6.2666, 4.4334,
26.1170

■ 39.8553, 42.1252,
31.6219

■ 5.6832, 3.5431,
25.9758

■ 45.4762, 48.0174,
32.4629

■ 5.6609, 3.5097,
25.9706

■ 51.5998, 54.3927,
33.3707

■ 58.2383, 61.2617,
34.3467

Harmonies

Analogous

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



14.3710, 16.2507, 27.2494



15.9322, 16.2507, 27.8882



17.4622, 16.2507, 25.4520

Triad

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



15.9322, 16.2507, 27.8882



17.9589, 16.2507, 12.7121



12.7505, 16.2507, 14.7253

Complementary

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



15.9322, 16.2507, 27.8882



21.4384, 22.6363, 15.2964

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.



13.5909, 16.2507, 11.6987



15.9322, 16.2507, 27.8882



16.5729, 16.2507, 10.6833

Square

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



15.9322, 16.2507, 27.8882



18.6842, 16.2507, 16.3511



14.9694, 16.2507, 10.3473



12.6050, 16.2507, 19.1090

Rectangle

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



15.9322, 16.2507, 27.8882



18.2330, 16.2507, 22.6236



14.9694, 16.2507, 10.3473



12.9582, 16.2507, 13.5386

Sweetspot

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



15.9327, 16.2513, 27.8886



39.2763, 41.0957, 50.9901



18.9180, 23.6513, 24.4770



8.5930, 8.9819, 11.3602



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.



15.9327, 16.2513, 27.8886



25.3101, 25.4814, 48.7123



15.6732, 14.2811, 27.5220



5.2473, 5.4904, 6.8120



5.0968, 3.1795, 23.3222



0.0656, 0.0642, 0.2286

Inverse Universe

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



18.6376, 16.0355, 17.4428



30.8747, 25.2421, 27.1765



21.7415, 25.3020, 15.7949



5.4683, 5.4479, 5.9641



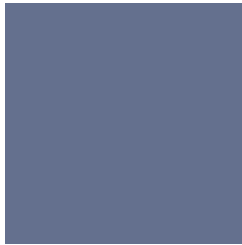
10.3757, 5.3073, 2.3639



0.1077, 0.0542, 0.0675

Previews

White Background



This preview shows how the XYZ color 15.9322, 16.2507, 27.8882 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 15.9322, 16.2507, 27.8882 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

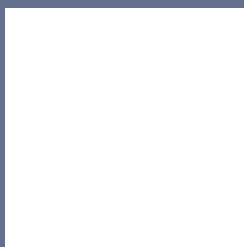
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9322, 16.2507, 27.8882

Background



This preview shows how black text looks on a background with the XYZ color 15.9322, 16.2507, 27.8882.

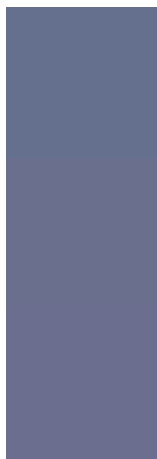


This preview shows how white text looks on a background with the XYZ color 15.9322, 16.2507,

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

15.9322, 16.2507, 27.8882

Protanopia

16.3179, 16.2952, 27.4846

Deuteranopia

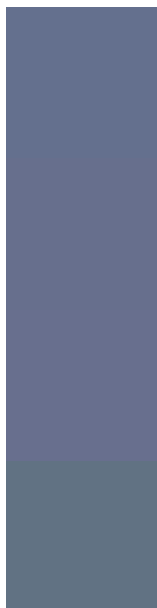
16.5218, 16.2307, 27.8532



Tritanopia

14.5927, 16.2035, 21.4273

Trichromacy



Original Color

15.9322, 16.2507, 27.8882

Protanomaly

16.0857, 16.1755, 27.4737

Deuteranomaly

16.2758, 16.2649, 27.8728

Tritanomaly

15.0438, 16.2147, 23.8096

Monochromacy



Original Color

15.9322, 16.2507, 27.8882

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5537, 16.2065, 21.0473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9322, 16.2507, 27.8882 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(100, 112, 142)` looks like.

```
.text, #text, p{  
    color:rgb(100, 112, 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(100, 112, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 112, 142) }
```

Border

The CSS property to change the border of an element to XYZ 15.9322, 16.2507, 27.8882 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(100, 112, 142) }
```


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

```
.border{ border-color:rgb(100, 112, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 112, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 112, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 112, 142);  
box-shadow:4px 4px 4px 4px rgb(100, 112,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9322, 16.2507, 27.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 112, 142) }
```

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

```
.background{ background-color: rgb(100,  
112, 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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