

Converting Colors

XYZ(13.8682, 15.7617, 22.5613)

Have a look what the booklet for
XYZ(13.8682, 15.7617, 22.5613)
contains.

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Color

**XYZ(13.9575, 15.8462,
22.7451)**

Conversions

Conversions Part 1

Format	Color
Hex	577380
RGB	87, 115, 128
RGB Percent	34%, 45%, 50%
CMY	0.6588, 0.5490, 0.4980
CMYK	0.32, 0.10, 0.00, 0.50
HSL	199°, 19%, 42%
HSV	199°, 32%, 50%
XYZ	13.9575, 15.8462, 22.7451
YIQ	108.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

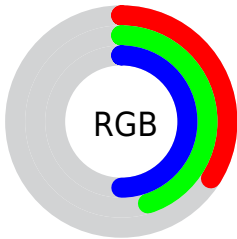
Format	Color
R_{YB}	87, 104, 128
Decimal	5731200
CIE _{Lab}	46.77, -6.78, -10.44
CIE _{LCh}	47, 12.449, 237.010
Yxy	15.8462, 0.2656, 0.3016
Android (android.graphics.Color)	4283921280 (0xFF577380)
YUV	108.1100, 9.8058, -18.5135
Hunter-Lab	39.8073, -7.0759, -6.0120

Details

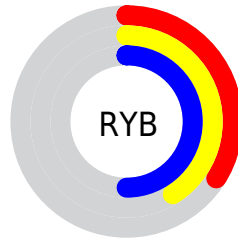
The XYZ color **13.9575, 15.8462, 22.7451** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1798, 14.3919, 10.9951**, and the grayscale version is **14.2626, 15.0054, 16.3409**.

A 20% lighter version of the original color is **32.6404, 36.3769, 49.0172**, and **4.2551, 5.0102, 8.1399** is the 20% darker color. If you saturate the color by 10%, you get **12.4143, 14.3790, 22.5435**, and if you desaturate by 10%, it is **15.7340, 17.4646, 22.9641**.

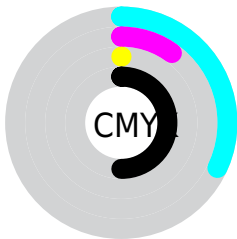
Distribution



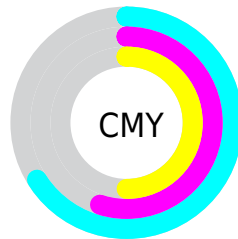
- Red (34%)
- Green (45%)
- Blue (50%)



- Red (34%)
- Yellow (41%)
- Blue (50%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)



- Cyan (66%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9575, 15.8462, 22.7451 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 13.9575, 15.8462, 22.7451 by changing the saturation by 10% instead.

■ 13.9575, 15.8462,
22.7451

■ 13.9575, 15.8462,
22.7451

210.4822,
228.4325, 279.4924

■ 8.1726, 9.4154,
14.2019

■ 32.6005, 36.3310,
48.8923

■ 4.2583, 5.0131,
8.1209

■ 46.1893, 51.1538,
67.3334

■ 1.8493, 2.2550,
4.0835

■ 63.1102, 69.5426,
89.9108

■ 0.5471, 0.7497,
1.6713

■ 83.7284, 91.8820,
117.0432

■ 0.0000, 0.0000,
0.3409

■ 108.4093,
118.5563, 149.1490

■ 0.0000, 0.0000,
0.0000

137.5184,

149.9499, 186.6467

171.4209,
186.4471, 229.9551

■ 13.9575, 15.8462,
22.7451

■ 13.9575, 15.8462,
22.7451

■ 12.4143, 14.3790,
22.5435

■ 15.7340, 17.4646,
22.9641

■ 11.0914, 13.0550,
22.3577

■ 17.7530, 19.2383,
23.2001

■ 9.9769, 11.8678,
22.1873

■ 20.0249, 21.1733,
23.4538

■ 9.0570, 10.8100,
22.0316

■ 22.5590, 23.2750,
23.7259

■ 8.3159, 9.8731,
21.8898

■ 25.3643, 25.5480,
24.0168

■ 7.7355, 9.0473,
21.7610

■ 28.4491, 27.9973,
24.3270

■ 7.3385, 8.4428,
21.6652

■ 31.8215, 30.6273,
24.6569

■ 35.4893, 33.4423,
25.0069

■ 39.4599, 36.4465,
25.3775

Harmonies

Analogous

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



13.2840, 15.8462, 20.1015



13.9575, 15.8462, 22.7451



14.9532, 15.8462, 23.9088

Triad

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



13.9575, 15.8462, 22.7451



17.2343, 15.8462, 17.5662



14.1368, 15.8462, 12.4743

Complementary

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



13.9575, 15.8462, 22.7451



15.1798, 14.3919, 10.9951

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.



15.1700, 15.8462, 11.9648



13.9575, 15.8462, 22.7451



16.9905, 15.8462, 14.6886

Square

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



13.9575, 15.8462, 22.7451



16.8732, 15.8462, 20.7029



16.2219, 15.8462, 12.7262



13.3840, 15.8462, 14.2108

Rectangle

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



13.9575, 15.8462, 22.7451



15.6777, 15.8462, 23.5965



16.2219, 15.8462, 12.7262



14.4613, 15.8462, 12.1636

Sweetspot

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



13.9580, 15.8468, 22.7455



31.9432, 34.4636, 40.9248



13.9495, 18.3847, 14.8662



7.3728, 7.9776, 9.5696



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.



13.9580, 15.8468, 22.7455



22.6717, 26.1039, 39.7999



11.8760, 11.6828, 22.0515



4.3350, 4.6641, 5.4850



7.2778, 8.3741, 21.4827



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4052, 12.6438, 17.8489



25.6717, 19.8023, 29.5739



17.3975, 18.8272, 11.7343



4.4419, 4.3899, 5.1317



10.5505, 5.2399, 9.4885



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9575, 15.8462, 22.7451 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 13.9575, 15.8462, 22.7451 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

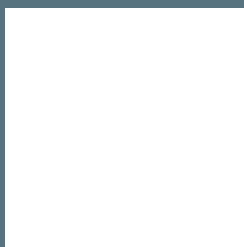
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9575, 15.8462, 22.7451

Background



This preview shows how black text looks on a background with the XYZ color 13.9575, 15.8462, 22.7451.



This preview shows how white text looks on a background with the XYZ color 13.9575, 15.8462,

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

13.9575, 15.8462, 22.7451

Protanopia

15.4619, 15.8207, 21.6408

Deuteranopia

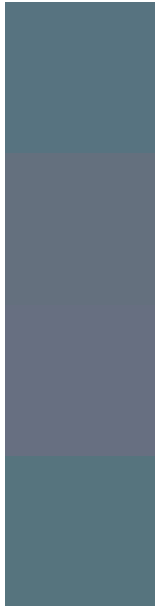
16.0071, 15.7548, 22.9662



Tritanopia

13.7848, 15.9499, 21.7541

Trichromacy



Original Color

13.9575, 15.8462, 22.7451

Protanomaly

14.8156, 15.8040, 22.0083

Deuteranomaly

15.2404, 15.8374, 23.0226

Tritanomaly

13.8490, 15.9756, 22.0923

Monochromacy



Original Color

13.9575, 15.8462, 22.7451

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0345, 15.3160, 18.4362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9575, 15.8462, 22.7451 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(87, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 115, 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(87, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 115, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.9575, 15.8462, 22.7451 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(87, 115, 128) }
```


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

```
.border{ border-color:rgb(87, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 115,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9575, 15.8462, 22.7451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 115, 128) }
```

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

```
.background{ background-color: rgb(87, 115,  
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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