

Converting Colors

XYZ(15.9587, 15.0972, 21.5071)

Have a look what the booklet for
XYZ(15.9587, 15.0972, 21.5071)
contains.

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Color

**XYZ(15.9881, 15.1632,
21.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	75687D
RGB	117, 104, 125
RGB Percent	46%, 41%, 49%
CMY	0.5412, 0.5921, 0.5098
CMYK	0.06, 0.17, 0.00, 0.51
HSL	277°, 9%, 45%
HSV	277°, 17%, 49%
XYZ	15.9881, 15.1632, 21.4862
YIQ	110.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

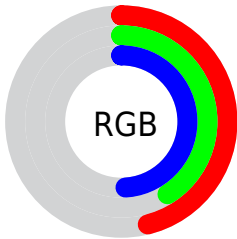
Format	Color
R_{YB}	117, 104, 125
Decimal	7694461
CIE Lab	45.86, 9.38, -9.79
CIE LCh	46, 13.560, 313.791
Yxy	15.1632, 0.3037, 0.2881
Android (android.graphics.Color)	4285884541 (0xFF75687D)
YUV	110.2810, 7.2565, 5.8926
Hunter-Lab	38.9400, 5.1442, -5.4569

Details

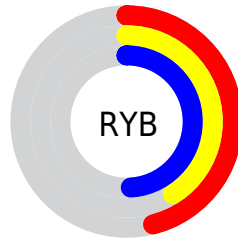
The XYZ color **15.9881, 15.1632, 21.4862** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5150, 19.1119, 15.9160**, and the grayscale version is **14.8817, 15.6567, 17.0501**.

A 20% lighter version of the original color is **36.1194, 35.0921, 46.9892**, and **5.2219, 4.7133, 7.4720** is the 20% darker color. If you saturate the color by 10%, you get **14.1984, 12.5095, 21.0685**, and if you desaturate by 10%, it is **17.9978, 18.2080, 21.9682**.

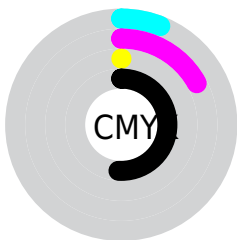
Distribution



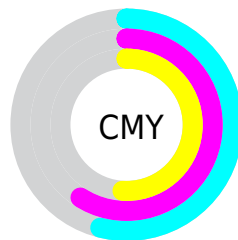
- Red (46%)
- Green (41%)
- Blue (49%)



- Red (46%)
- Yellow (41%)
- Blue (49%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (51%)



- Cyan (54%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9881, 15.1632, 21.4862 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 15.9881, 15.1632, 21.4862 by changing the saturation by 10% instead.

■ 15.9881, 15.1632,
21.4862

■ 15.9881, 15.1632,
21.4862

222.5433,
224.3519, 272.7166

■ 9.6065, 8.9340,
13.2852

■ 36.1352, 35.1392,
46.7866

■ 5.1991, 4.6982,
7.4922

■ 50.6314, 49.6548,
64.7230

■ 2.4005, 2.0713,
3.6887

■ 68.5631, 67.7014,
86.7416

■ 0.8454, 0.6484,
1.4562

■ 90.2959, 89.6633,
113.2609

■ 0.0000, 0.0000,
0.1849

116.1949,
115.9249, 144.6996

■ 0.0000, 0.0000,
0.0000

146.6255,

146.8706, 181.4761

181.9532,
182.8848, 224.0089

■ 15.9881, 15.1632,
21.4862

■ 15.9881, 15.1632,
21.4862

■ 14.1984, 12.5095,
21.0685

■ 17.9978, 18.2080,
21.9682

■ 12.6187, 10.2284,
20.7115

■ 20.2343, 21.6577,
22.5162

■ 11.2402, 8.3028,
20.4125

■ 22.7057, 25.5274,
23.1329

■ 10.0528, 6.7132,
20.1682

■ 25.4193, 29.8313,
23.8206

■ 9.0455, 5.4386,
19.9753

■ 28.3822, 34.5827,
24.5815

8.2062, 4.4551,
19.8297

31.6011, 39.7943,
25.4178

7.5208, 3.7357,
19.7270

35.0823, 45.4783,
26.3315

6.9615, 3.2257,
19.6580

38.8320, 51.6464,
27.3244

6.7929, 3.0742,
19.6377

42.8563, 58.3101,
28.3985

Harmonies

Analogous

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



14.9427, 15.1632, 23.4125



15.9881, 15.1632, 21.4862



16.6285, 15.1632, 18.3312

Triad

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



15.9881, 15.1632, 21.4862



15.0347, 15.1632, 11.1711



12.3804, 15.1632, 18.0574

Complementary

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



15.9881, 15.1632, 21.4862



16.5150, 19.1119, 15.9160

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.



12.4021, 15.1632, 14.8139



15.9881, 15.1632, 21.4862



13.8943, 15.1632, 11.1182

Square

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



15.9881, 15.1632, 21.4862



16.0585, 15.1632, 12.5242



12.9434, 15.1632, 12.3686



12.8824, 15.1632, 21.2630

Rectangle

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



15.9881, 15.1632, 21.4862



16.7195, 15.1632, 16.0972



12.9434, 15.1632, 12.3686



12.3275, 15.1632, 16.9301

Sweetspot

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



15.9886, 15.1638, 21.4865



32.8722, 33.5905, 39.4954



15.2109, 16.0237, 21.6935



7.4269, 7.5635, 8.9715



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.9886, 15.1638, 21.4865



27.4050, 25.3230, 38.1878



16.9553, 15.6801, 20.7248



4.3444, 4.3331, 5.4207



7.0816, 3.2044, 20.4952



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.3329, 15.4311, 17.4477



28.1601, 25.9053, 29.5007



15.6681, 18.6607, 16.5355



4.3903, 4.3693, 4.8598



9.3725, 4.7687, 3.2854



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9881, 15.1632, 21.4862 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 15.9881, 15.1632, 21.4862 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 15.9881, 15.1632, 21.4862

Background



This preview shows how black text looks on a background with the XYZ color 15.9881, 15.1632, 21.4862.



This preview shows how white text looks on a background with the XYZ color 15.9881, 15.1632,

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

15.9881, 15.1632, 21.4862

Protanopia

15.0190, 15.2607, 22.2327

Deuteranopia

15.5378, 15.2335, 21.5235



Tritanopia

15.2615, 15.1678, 18.0429

Trichromacy



Original Color

15.9881, 15.1632, 21.4862

Protanomaly

15.3303, 15.2730, 21.8786

Deuteranomaly

15.6927, 15.1612, 21.5014

Tritanomaly

15.5240, 15.1242, 19.2406

Monochromacy



Original Color

15.9881, 15.1632, 21.4862

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2671, 15.4736, 18.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9881, 15.1632, 21.4862 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(117, 104, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 104, 125)  
}
```

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(117, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 104, 125) }
```

Border

The CSS property to change the border of an element to XYZ 15.9881, 15.1632, 21.4862 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(117, 104, 125) }
```


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

```
.border{ border-color:rgb(117, 104, 125) }
```

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

Here you see how a box with a 4 pixel rgb(117, 104, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(117, 104,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9881, 15.1632, 21.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 104, 125) }
```

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

```
.background{ background-color: rgb(117,  
104, 125) }
```

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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