

Converting Colors

XYZ(12.7862, 13.8150, 21.3947)

Have a look what the booklet for
XYZ(12.7862, 13.8150, 21.3947)
contains.

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Color

**XYZ(12.7862, 13.8150,
21.3947)**

Conversions

Conversions Part 1

Format	Color
Hex	576A7D
RGB	87, 106, 125
RGB Percent	34%, 42%, 49%
CMY	0.6588, 0.5843, 0.5098
CMYK	0.30, 0.15, 0.00, 0.51
HSL	210°, 18%, 42%
HSV	210°, 30%, 49%
XYZ	12.7862, 13.8150, 21.3947
YIQ	102.4850, -17.4230, 1.8810

Conversions

Conversions Part 2

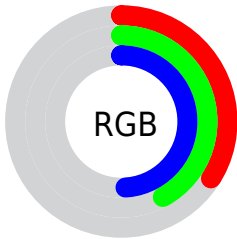
Format	Color
R _Y B	87, 100, 125
Decimal	5728893
CIE Lab	43.97, -2.28, -12.88
CIE LCh	44, 13.083, 259.960
Yxy	13.8150, 0.2664, 0.2878
Android (android.graphics.Color)	4283918973 (0xFF576A7D)
YUV	102.4850, 11.0999, -13.5803
Hunter-Lab	37.1685, -3.6399, -8.1101

Details

The XYZ color **12.7862, 13.8150, 21.3947** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3320, 15.3563, 11.1732**, and the grayscale version is **12.7318, 13.3948, 14.5870**.

A 20% lighter version of the original color is **30.5741, 32.7316, 46.8259**, and **3.7435, 4.1008, 7.4317** is the 20% darker color. If you saturate the color by 10%, you get **11.0980, 12.0235, 21.1381**, and if you desaturate by 10%, it is **14.7243, 15.8057, 21.6770**.

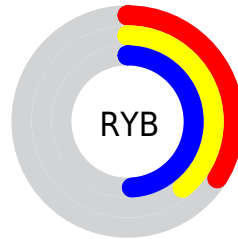
Distribution



Red (34%)

Green (42%)

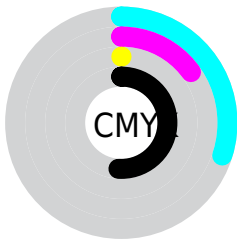
Blue (49%)



Red (34%)

Yellow (39%)

Blue (49%)

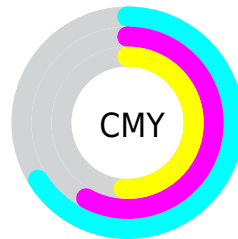


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (51%)



Cyan (66%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7862, 13.8150, 21.3947 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 12.7862, 13.8150, 21.3947 by changing the saturation by 10% instead.

■ 12.7862, 13.8150,
21.3947

■ 12.7862, 13.8150,
21.3947

203.2083,
216.0769, 272.2183

■ 7.3575, 7.9921,
13.2188

■ 30.5237, 32.7604,
46.6328

■ 3.7350, 4.0899,
7.4469

■ 43.5633, 46.6517,
64.5320

■ 1.5533, 1.7240,
3.6605

■ 59.8704, 64.0013,
86.5095

■ 0.3617, 0.4391,
1.4410

■ 79.8106, 85.1935,
112.9836

■ 0.0000, 0.0000,
0.1734

■ 103.7491,
110.6128, 144.3731

■ 0.0000, 0.0000,
0.0000

132.0513,

140.6435, 181.0963

165.0826,
175.6701, 223.5719

■ 12.7862, 13.8150,
21.3947

■ 12.7862, 13.8150,
21.3947

■ 11.0980, 12.0235,
21.1381

■ 14.7243, 15.8057,
21.6770

■ 9.6471, 10.4222,
20.9055

■ 16.9217, 18.0009,
21.9849

■ 8.4214, 9.0037,
20.6963

■ 19.3888, 20.4076,
22.3194

■ 7.4074, 7.7594,
20.5096

■ 22.1350, 23.0321,
22.6813

■ 6.5898, 6.6799,
20.3443

■ 25.1693, 25.8803,
23.0711

■ 5.9511, 5.7544,
20.1993

■ 28.5002, 28.9578,
23.4896

■ 5.4519, 4.9810,
20.0764

■ 32.1359, 32.2702,
23.9373

■ 36.0842, 35.8226,
24.4149

■ 40.3528, 39.6203,
24.9229

Harmonies

Analogous

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



11.8894, 13.8150, 19.8511



12.7862, 13.8150, 21.3947



13.8232, 13.8150, 21.0731

Triad

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



12.7862, 13.8150, 21.3947



15.0954, 13.8150, 13.1759



11.6626, 13.8150, 11.6596

Complementary

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



12.7862, 13.8150, 21.3947



15.3320, 15.3563, 11.1732

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.



12.4618, 13.8150, 10.2880



12.7862, 13.8150, 21.3947



14.4557, 13.8150, 11.0803

Square

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



12.7862, 13.8150, 21.3947



15.1935, 13.8150, 16.0598



13.4814, 13.8150, 10.0909



11.2636, 13.8150, 14.0685

Rectangle

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



12.7862, 13.8150, 21.3947



14.4534, 13.8150, 19.8573



13.4814, 13.8150, 10.0909



11.8914, 13.8150, 11.0761

Sweetspot

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



12.7866, 13.8155, 21.3950



30.7988, 32.7240, 39.4375



13.8331, 17.7212, 16.1554



6.8888, 7.3284, 8.9545



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.



12.7866, 13.8155, 21.3950



20.8909, 22.6235, 38.0101



11.0922, 10.4267, 20.8302



4.2726, 4.5392, 5.4642



5.6830, 5.1844, 20.9511



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4675, 12.2174, 15.2320



24.4317, 19.5151, 24.9696



17.4317, 19.5557, 11.8731



4.4104, 4.3773, 4.9658



9.7455, 4.9179, 5.2494



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7862, 13.8150, 21.3947 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 12.7862, 13.8150, 21.3947 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

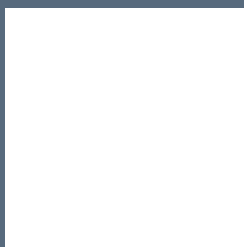
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7862, 13.8150, 21.3947

Background



This preview shows how black text looks on a background with the XYZ color 12.7862, 13.8150, 21.3947.

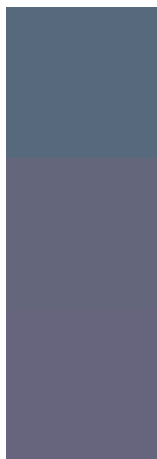


This preview shows how white text looks on a background with the XYZ color 12.7862, 13.8150,

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

12.7862, 13.8150, 21.3947

Protanopia

13.6809, 13.8399, 20.6892

Deuteranopia

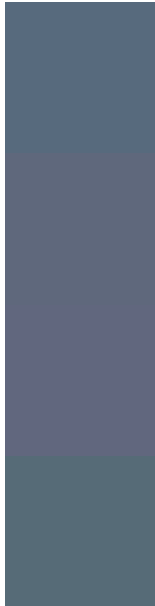
14.0131, 13.6973, 21.6439



Tritanopia

12.2613, 13.9174, 18.5631

Trichromacy



Original Color

12.7862, 13.8150, 21.3947

Protanomaly

13.3077, 13.7888, 21.0289

Deuteranomaly

13.5459, 13.7482, 21.6784

Tritanomaly

12.4252, 13.8257, 19.4665

Monochromacy



Original Color

12.7862, 13.8150, 21.3947

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5945, 13.3677, 16.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7862, 13.8150, 21.3947 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, 106, 125) looks like.

```
.text, #text, p{  
    color:rgb(87, 106, 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(87, 106, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 106, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.7862, 13.8150, 21.3947 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, 106, 125) }
```


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

```
.border{ border-color:rgb(87, 106, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 106, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 106, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 106, 125);  
box-shadow:4px 4px 4px 4px rgb(87, 106,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7862, 13.8150, 21.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 106, 125) }
```

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

```
.background{ background-color: rgb(87, 106,  
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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