

Converting Colors

XYZ(12.7288, 13.0485, 19.2337)

Have a look what the booklet for
XYZ(12.7288, 13.0485, 19.2337)
contains.

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Color

**XYZ(12.8073, 13.1261,
19.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	606577
RGB	96, 101, 119
RGB Percent	38%, 40%, 47%
CMY	0.6235, 0.6039, 0.5333
CMYK	0.19, 0.15, 0.00, 0.53
HSL	227°, 11%, 42%
HSV	227°, 19%, 47%
XYZ	12.8073, 13.1261, 19.3113
YIQ	101.5570, -8.7580, 4.5380

Conversions

Conversions Part 2

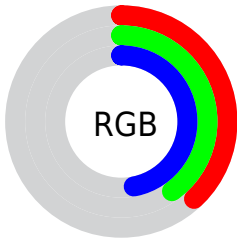
Format	Color
R _Y B	96, 100, 119
Decimal	6317431
CIE Lab	42.95, 2.23, -10.73
CIE LCh	43, 10.956, 281.744
Yxy	13.1261, 0.2831, 0.2901
Android (android.graphics.Color)	4284507511 (0xFF606577)
YUV	101.5570, 8.5994, -4.8735
Hunter-Lab	36.2300, -0.3026, -6.2418

Details

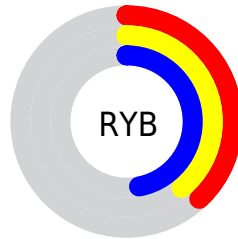
The XYZ color **12.8073, 13.1261, 19.3113** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7364, 16.8009, 13.4800**, and the grayscale version is **12.4942, 13.1449, 14.3148**.

A 20% lighter version of the original color is **30.6115, 31.5998, 43.0140**, and **3.7231, 3.7462, 6.4881** is the 20% darker color. If you saturate the color by 10%, you get **10.7954, 10.8222, 18.9729**, and if you desaturate by 10%, it is **15.1121, 15.7338, 19.6934**.

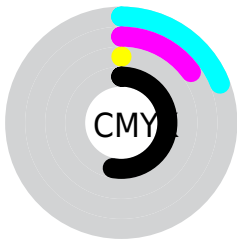
Distribution



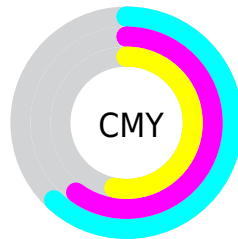
- Red (38%)
- Green (40%)
- Blue (47%)



- Red (38%)
- Yellow (39%)
- Blue (47%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)
- Black (53%)



- Cyan (62%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8073, 13.1261, 19.3113 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 12.8073, 13.1261, 19.3113 by changing the saturation by 10% instead.

■ 12.8073, 13.1261,
19.3113

■ 12.8073, 13.1261,
19.3113

203.3416,
211.7243, 260.6417

■ 7.3721, 7.5154,
11.7163

■ 30.5614, 31.5301,
43.1031

■ 3.7442, 3.7865,
6.4307

■ 43.6110, 45.0923,
60.1371

■ 1.5585, 1.5549,
3.0357

■ 59.9295, 62.0738,
81.1545

■ 0.3651, 0.3269,
1.1129

■ 79.8821, 82.8589,
106.5739

■ 0.0000, 0.0000,
0.0000

103.8343,
107.8321, 136.8137

132.1513,

137.3778, 172.2926

165.1987,
171.8804, 213.4291

■ 12.8073, 13.1261,
19.3113

■ 12.8073, 13.1261,
19.3113

■ 10.7954, 10.8222,
18.9729

■ 15.1121, 15.7338,
19.6934

■ 9.0632, 8.8092,
18.6756

■ 17.7196, 18.6541,
20.1196

■ 7.5984, 7.0758,
18.4182

■ 20.6411, 21.8978,
20.5917

■ 6.3873, 5.6092,
18.1990

■ 23.8864, 25.4745,
21.1111

■ 5.4148, 4.3957,
18.0160

■ 27.4653, 29.3932,
21.6788

■ 4.6643, 3.4203,
17.8673

■ 31.3869, 33.6630,
22.2963

■ 4.1168, 2.6660,
17.7505

■ 35.6603, 38.2922,
22.9646

■ 3.7205, 2.0985,
17.6619

■ 40.2937, 43.2892,
23.6849

■ 3.6965, 2.0654,
17.6568

■ 45.2956, 48.6619,
24.4583

Harmonies

Analogous

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



11.9772, 13.1261, 19.1457



12.8073, 13.1261, 19.3113



13.5815, 13.1261, 18.0252

Triad

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



12.8073, 13.1261, 19.3113



13.7192, 13.1261, 11.4306



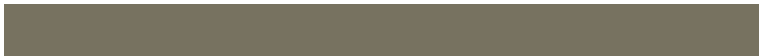
11.0054, 13.1261, 12.8926

Complementary

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



12.8073, 13.1261, 19.3113



15.7364, 16.8009, 13.4800

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.



11.4321, 13.1261, 11.1136



12.8073, 13.1261, 19.3113



12.9884, 13.1261, 10.3371

Square

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



12.8073, 13.1261, 19.3113



14.1236, 13.1261, 13.3719



12.1504, 13.1261, 10.2279



10.9618, 13.1261, 15.2535

Rectangle

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



12.8073, 13.1261, 19.3113



13.9521, 13.1261, 16.5936



12.1504, 13.1261, 10.2279



11.1078, 13.1261, 12.2139

Sweetspot

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



12.8077, 13.1266, 19.3116



28.4840, 29.7733, 35.4986



14.4373, 16.8872, 18.3092



6.6972, 6.9962, 8.4041



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8077, 13.1266, 19.3116



21.3382, 21.6842, 34.3139



13.0075, 12.5304, 19.1860



3.5593, 3.7072, 4.6182



3.9209, 2.1816, 18.7570



18.5750, 9.5665, 91.2278

Inverse Universe

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



14.1399, 13.2275, 14.1205



24.1796, 21.9484, 23.2305



15.5012, 17.5402, 13.6351



3.7136, 3.7127, 4.0184



8.2762, 4.2442, 1.3969



40.0625, 20.5751, 5.3927

Previews

White Background



This preview shows how the XYZ color 12.8073, 13.1261, 19.3113 looks on a white background.

Color Contrast Check

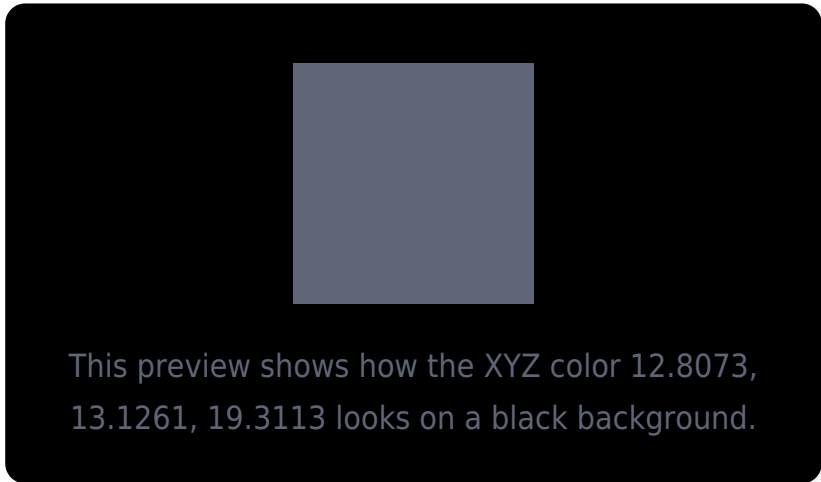
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

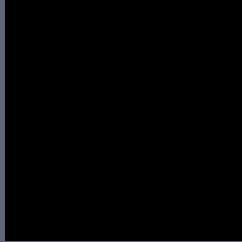
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

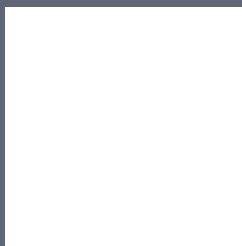
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8073, 13.1261, 19.3113

Background



This preview shows how black text looks on a background with the XYZ color 12.8073, 13.1261, 19.3113.



This preview shows how white text looks on a background with the XYZ color 12.8073, 13.1261,

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

12.8073, 13.1261, 19.3113

Protanopia

12.9239, 13.0429, 19.2891

Deuteranopia

13.2711, 13.0804, 19.2781



Tritanopia

12.2367, 13.0301, 16.9090

Trichromacy



Original Color

12.8073, 13.1261, 19.3113

Protanomaly

12.8167, 12.9876, 19.2841

Deuteranomaly

13.1425, 13.1556, 19.2994

Tritanomaly

12.5079, 13.1505, 17.7987

Monochromacy



Original Color

12.8073, 13.1261, 19.3113

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7137, 13.2948, 16.0834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8073, 13.1261, 19.3113 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(96, 101, 119) looks like.

```
.text, #text, p{  
    color:rgb(96, 101, 119)  
}
```

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(96, 101, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 101, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.8073, 13.1261, 19.3113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

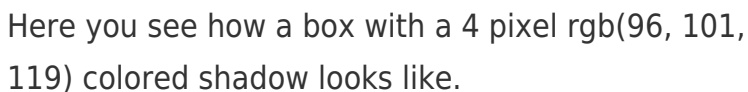
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 101, 119) }
```


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

```
.border{ border-color:rgb(96, 101, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 101, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 101, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 101, 119);  
box-shadow:4px 4px 4px 4px rgb(96, 101,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8073, 13.1261, 19.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 101, 119) }
```

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

```
.background{ background-color: rgb(96, 101,  
119) }
```

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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