Converting Colors

XYZ(1.2910, 0.7416, 6.1039)

Have a look what the booklet for XYZ(1.2910, 0.7416, 6.1039) contains.

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Color

XYZ(1.2813, 0.7428, 6.0371)

Conversions

Conversions Part 1

Format	Color
Hex	000D47
RGB	0, 13, 71
RGB Percent	0%, 5%, 28%
CMY	1.0000, 0.9490, 0.7216
CMYK	1.00, 0.82, 0.00, 0.72
HSL	229°, 100%, 14%
HSV	229°, 100%, 28%
XYZ	1.2813, 0.7428, 6.0371
YIQ	15.7250, -26.3660, 15.2820

Conversions

Conversions Part 2

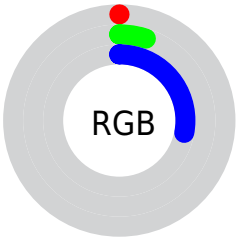
Format	Color
RYB	0, 11, 71
Decimal	3399
CIELab	6.71, 21.11, -37.11
CIELCh	7, 42.694, 299.636
Yxy	0.7428, 0.1589, 0.0921
Android (android.graphics.Color)	4278193479 (0xFF000D47)
YUV	15.7250, 27.2506, -13.7908
Hunter-Lab	8.6186, 11.4546, -35.4981

Details

The XYZ color 1.2813, 0.7428, 6.0371 is a dark color, and the websafe version is hex 000033. A complement of this color would be 4.1121, 4.3667, 0.6264, and the grayscale version is 0.4724, 0.4970, 0.5412.

A 20% lighter version of the original color is 6.5600, 5.0182, 18.3922, and 0.1973, 0.0963, 0.9855 is the 20% darker color. If you saturate the color by 10%, you get 1.2812, 0.7426, 6.0371, and if you desaturate by 10%, it is 1.4558, 0.9598, 6.0698.

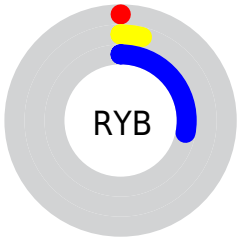
Distribution



Red (0%)

Green (5%)

Blue (28%)



Red (0%)

Yellow (4%)

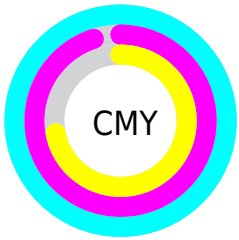
Blue (28%)

Cyan (100%)

Magenta (82%)

Yellow (0%)

Black (72%)



Cyan (100%)

Magenta (95%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.2813, 0.7428, 6.0371 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 1.2813, 0.7428, 6.0371 by changing the saturation by 10% instead.

1.2813, 0.7428, 6.0371

1.2813, 0.7428, 6.0371

99.0537, 91.7296, 168.7194

0.1692, 0.0000, 2.7985

6.5704, 4.9912, 18.4868

0.0000, 0.0000, 0.9927

11.6414, 9.3820, 28.5351

0.0000, 0.0000, 0.0000

18.8170, 15.7990, 41.6903

28.4628, 24.6265, 58.3709

40.9440, 36.2489, 78.9956

56.6259, 51.0506,

103.9829

75.8741, 69.4160, 133.7513

1.2813, 0.7428, 6.0371

1.2812, 0.7426, 6.0371

1.2813, 0.7428, 6.0371

1.4558, 0.9598, 6.0698

1.6608, 1.2283, 6.1108

1.9277, 1.5667, 6.1621

2.2645, 1.9816, 6.2244

2.6759, 2.4774, 6.2984

3.1662, 3.0580, 6.3847

3.7392, 3.7273, 6.4837

4.3987, 4.4889, 6.5959

5.1479, 5.3462, 6.7219

Harmonies

Analogous

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

0.6994, 0.7428, 7.4627

1.2813, 0.7428, 6.0371

1.8594, 0.7428, 3.0494

Triad

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

1.2813, 0.7428, 6.0371

1.2965, 0.7428, 0.0000

0.0000, 0.7428, 0.7898

Complementary

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

1.2813, 0.7428, 6.0371

4.1121, 4.3667, 0.6264

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.

0.0000, 0.7428, 0.0000

1.2813, 0.7428, 6.0371

0.7126, 0.7428, 0.0000

Square

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

1.2813, 0.7428, 6.0371

1.8706, 0.7428, 0.0000

0.1906, 0.7428, 0.0000

0.0000, 0.7428, 2.9792

Rectangle

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

1.2813, 0.7428, 6.0371

2.0813, 0.7428, 1.3983

0.1906, 0.7428, 0.0000

0.0000, 0.7428, 0.2718

Sweetspot

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

1.2814, 0.7428, 6.0371

6.2009, 6.1611, 10.9418

3.0167, 4.8119, 4.7708

1.5359, 1.5179, 2.7865

39.9242, 42.0033, 45.7416

2.5865, 2.7212, 2.9634

Same Dimension

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

1.2814, 0.7428, 6.0371

2.1204, 1.1639, 10.1923

1.4792, 0.6313, 6.0052

1.4514, 1.5104, 1.8602

2.4932, 1.3485, 12.0464

14.6696, 7.1660, 73.2469

Inverse Universe

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

2.6713, 1.3688, 0.5042

4.4933, 2.3049, 0.7301

3.4969, 5.1476, 0.8095

1.5086, 1.5183, 1.6365

5.3057, 2.7224, 0.8266

32.0723, 16.4866, 3.6384

Previews

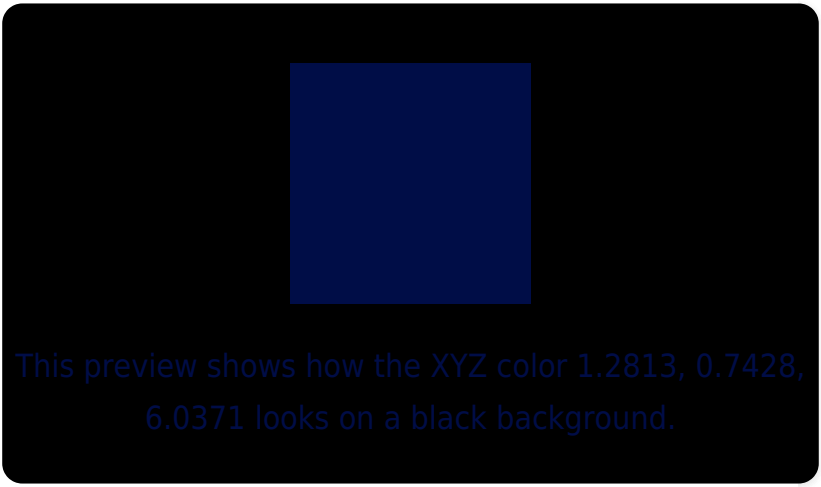
White Background

This preview shows how the XYZ color 1.2813, 0.7428, 6.0371 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 ✓ Pass

Black Background

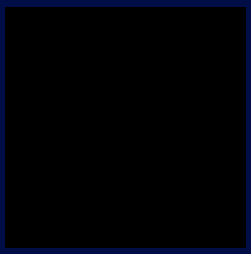


Color Contrast Check

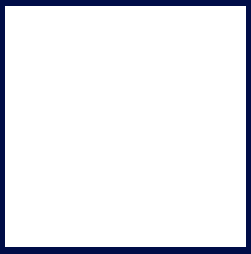
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 1.2813, 0.7428, 6.0371 Background



This preview shows how black text looks on a background with the XYZ color 1.2813, 0.7428, 6.0371.



This preview shows how white text looks on a background with the XYZ color 1.2813, 0.7428, 6.0371.

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
1.2813, 0.7428, 6.0371

Protanopia
0.8399, 0.8262, 2.9115

Deuteranopia
0.7269, 0.8134, 2.2165

Trichromacy

Original Color
1.2813, 0.7428, 6.0371

Protanomaly
0.9467, 0.7513, 3.8365

Deuteranomaly
0.8700, 0.7482, 3.3474

Monochromacy

Original Color
1.2813, 0.7428, 6.0371

Achromatopsia
0.4925, 0.5182, 0.5643

Achromatomaly
0.6144, 0.5336, 1.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.2813, 0.7428, 6.0371 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(0, 13, 71) looks like.

```
.text, #text, p{
    color:rgb(0, 13, 71)
}
```

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(0, 13, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 71) }
```

Border

The CSS property to change the border of an element to XYZ 1.2813, 0.7428, 6.0371 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(0, 13, 71) }
```

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

```
.border{ border-color:rgb(0, 13, 71) }
```

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

Here you see how a box with a 4 pixel rgb(0, 13, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 13, 71); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 13, 71); box-shadow:4px 4px 4px 4px rgb(0, 13, 71) }
```

Background

The CSS property to change the background color of an element to XYZ 1.2813, 0.7428, 6.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 13, 71) }
```

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

```
.background{ background-color:rgb(0, 13,
71) }
```

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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