

Converting Colors

XYZ(6.8343, 9.7811, 16.0137)

Have a look what the booklet for
XYZ(6.8343, 9.7811, 16.0137)
contains.

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Color

**XYZ(7.2222, 10.0278,
16.0229)**

Conversions

Conversions Part 1

Format	Color
Hex	00636D
RGB	0, 99, 109
RGB Percent	0%, 39%, 43%
CMY	0.9999, 0.6118, 0.5725
CMYK	1.00, 0.09, 0.00, 0.57
HSL	186°, 100%, 21%
HSV	186°, 100%, 43%
XYZ	7.2222, 10.0278, 16.0229
YIQ	70.5390, -62.2140, -17.8780

Conversions

Conversions Part 2

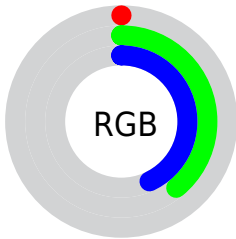
Format	Color
RYB	0, 52, 109
Decimal	25453
CIELab	37.89, -20.52, -12.67
CIELCh	38, 24.115, 211.702
Yxy	10.0278, 0.2171, 0.3014
Android (android.graphics.Color)	4278215533 (0xFF00636D)
YUV	70.5390, 18.9613, -61.8627
Hunter-Lab	31.6667, -14.7064, -7.8332

Details

The XYZ color **7.2222, 10.0278, 16.0229** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.4156, 3.4687, 0.3319**, and the grayscale version is **5.8891, 6.1958, 6.7473**.

A 20% lighter version of the original color is **20.0755, 25.8066, 37.1808**, and **2.0975, 2.8038, 4.9881** is the 20% darker color. If you saturate the color by 10%, you get **7.2222, 10.0278, 16.0231**, and if you desaturate by 10%, it is **7.4546, 10.2893, 16.0613**.

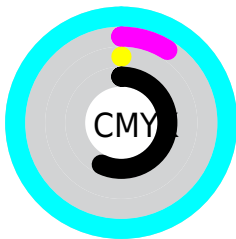
Distribution



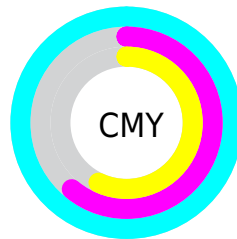
- Red (0%)
- Green (39%)
- Blue (43%)



- Red (0%)
- Yellow (20%)
- Blue (43%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (61%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.2222, 10.0278, 16.0229 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 7.2222, 10.0278, 16.0229 by changing the saturation by 10% instead.

■ 7.2222, 10.0278,
16.0229

■ 7.2222, 10.0278,
16.0229

164.0022,
190.8704, 241.3271

■ 3.6490, 5.4174,
9.3858

■ 20.1192, 25.8478,
37.4053

■ 1.5055, 2.4942,
4.8935

■ 30.1737, 37.8261,
52.9877

■ 0.3296, 0.8737,
2.1272

■ 43.1193, 53.0293,
72.3890

■ 0.0000, 0.0000,
0.6319


■ 59.3215, 71.8416,
96.0276


■ 0.0000, 0.0000,
0.0000


■ 79.1455, 94.6474,
124.3223


■ 102.9567,


121.8313, 157.6913


 131.1205,
153.7774, 196.5535


 7.2222, 10.0278,
16.0229


 7.2222, 10.0278,
16.0229


 7.2222, 10.0278,
16.0231

 7.4546, 10.2893,
16.0613

 7.7410, 10.5803,
16.1024

 8.1301, 10.9259,
16.1486

 8.6331, 11.3320,
16.2005

 9.2601, 11.8038,
16.2585

■ 10.0198, 12.3458,
16.3231

■ 10.9203, 12.9621,
16.3946

■ 11.9691, 13.6567,
16.4733

■ 13.1728, 14.4329,
16.5597

Harmonies

Analogous

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



6.8613, 10.0278, 11.1731



7.2222, 10.0278, 16.0229



8.1921, 10.0278, 20.2444

Triad

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



7.2222, 10.0278, 16.0229



12.3909, 10.0278, 15.4646



9.4432, 10.0278, 4.4350

Complementary

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



7.2222, 10.0278, 16.0229



6.4156, 3.4687, 0.3319

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.



11.0086, 10.0278, 5.0136



7.2222, 10.0278, 16.0229



12.8166, 10.0278, 10.6680

Square

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



7.2222, 10.0278, 16.0229



11.1776, 10.0278, 19.8656



12.2861, 10.0278, 7.0328



8.0548, 10.0278, 5.1654

Rectangle

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



7.2222, 10.0278, 16.0229



9.1091, 10.0278, 21.6758



12.2861, 10.0278, 7.0328



9.9659, 10.0278, 4.4819

Sweetspot

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



7.2225, 10.0282, 16.0231



19.4076, 23.1116, 29.3453



5.5188, 10.9575, 2.0854



4.3940, 5.2953, 6.8193



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.2225, 10.0282, 16.0231



12.8853, 17.8621, 28.6758



3.7153, 3.0138, 14.8541



3.1593, 3.4468, 3.9337



8.4382, 11.7106, 18.7379



42.6624, 59.0033, 95.3664

Inverse Universe

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



8.5591, 4.1525, 12.1551



15.3021, 7.4254, 21.6397



8.1172, 6.8721, 0.8991



3.2062, 3.1593, 3.8161



10.0061, 4.8546, 14.1923



50.8168, 24.6687, 71.4291

Previews

White Background



This preview shows how the XYZ color 7.2222, 10.0278, 16.0229 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 7.2222, 10.0278, 16.0229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

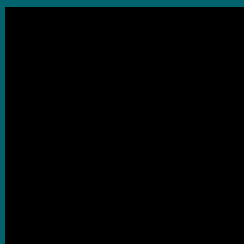
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.2222, 10.0278, 16.0229

Background



This preview shows how black text looks on a background with the XYZ color 7.2222, 10.0278, 16.0229.



This preview shows how white text looks on a background with the XYZ color 7.2222, 10.0278,

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

7.2222, 10.0278, 16.0229

Protanopia

9.8185, 9.9650, 13.9763

Deuteranopia

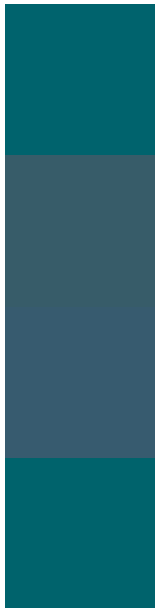
10.1706, 9.9647, 16.7166



Tritanopia

7.1157, 9.9852, 15.4622

Trichromacy



Original Color

7.2222, 10.0278, 16.0229

Protanomaly

7.9525, 9.4864, 14.7765

Deuteranomaly

8.1859, 9.4421, 16.4300

Tritanomaly

7.1686, 10.0064, 15.7410

Monochromacy



Original Color

7.2222, 10.0278, 16.0229

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

5.6643, 7.0986, 9.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.2222, 10.0278, 16.0229 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, 99, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 109)  
}
```

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, 99, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 109) }
```

Border

The CSS property to change the border of an element to XYZ 7.2222, 10.0278, 16.0229 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, 99, 109) }
```


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

```
.border{ border-color:rgb(0, 99, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 109)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.2222, 10.0278, 16.0229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 109) }
```

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

```
.background{ background-color: rgb(0, 99,  
109) }
```

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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