

Converting Colors

XYZ(7.0072, 10.0489, 15.0370)

Have a look what the booklet for
XYZ(7.0072, 10.0489, 15.0370)
contains.

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Color

**XYZ(7.1070, 10.1343,
14.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	006469
RGB	0, 100, 105
RGB Percent	0%, 39%, 41%
CMY	1.0000, 0.6078, 0.5882
CMYK	1.00, 0.05, 0.00, 0.59
HSL	183°, 100%, 21%
HSV	183°, 100%, 41%
XYZ	7.1070, 10.1343, 14.9461
YIQ	70.6700, -61.2050, -19.6450

Conversions

Conversions Part 2

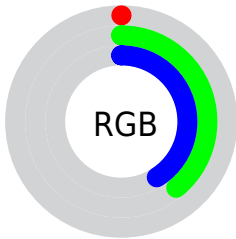
Format	Color
RYB	0, 51, 105
Decimal	25705
CIELab	38.08, -22.47, -9.92
CIELCh	38, 24.562, 203.831
Yxy	10.1343, 0.2208, 0.3149
Android (android.graphics.Color)	4278215785 (0xFF006469)
YUV	70.6700, 16.9247, -61.9776
Hunter-Lab	31.8344, -15.8603, -5.5523

Details

The XYZ color **7.1070, 10.1343, 14.9461** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.8802, 3.1121, 0.2911**, and the grayscale version is **5.9141, 6.2221, 6.7759**.

A 20% lighter version of the original color is **19.8150, 25.9500, 35.4170**, and **2.0368, 2.8517, 4.4461** is the 20% darker color. If you saturate the color by 10%, you get **7.1071, 10.1345, 14.9463**, and if you desaturate by 10%, it is **7.2869, 10.2987, 14.9685**.

Distribution



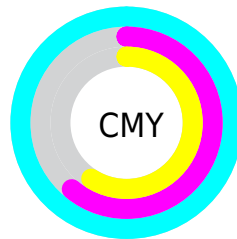
- Red (0%)
- Green (39%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (59%)



- Cyan (100%)
- Magenta (61%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.1070, 10.1343, 14.9461 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 7.1070, 10.1343, 14.9461 by changing the saturation by 10% instead.

7.1070, 10.1343,
14.9461

7.1070, 10.1343,
14.9461

163.0752,
191.6279, 234.6693

3.5760, 5.4881,
8.6354

19.8907, 26.0478,
35.4996

1.4652, 2.5364,
4.4106

29.8742, 38.0839,
50.5794

0.3020, 0.8948,
1.8532

42.7393, 53.3521,
69.4193

0.0000, 0.0000,
0.4627

58.8512, 72.2367,
92.4378

0.0000, 0.0000,
0.0000

78.5754, 95.1222,
120.0536

102.2773,

122.3930, 152.6850

130.3221,
154.4334, 190.7507

7.1070, 10.1343,
14.9461

7.1070, 10.1343,
14.9461

7.1071, 10.1345,
14.9463

7.2869, 10.2987,
14.9685

7.5132, 10.4872,
14.9930

7.8330, 10.7243,
15.0219

8.2567, 11.0155,
15.0558

8.7933, 11.3653,
15.0950

■ 9.4509, 11.7779,
15.1400

■ 10.2368, 12.2570,
15.1911

■ 11.1576, 12.8062,
15.2485

■ 12.2196, 13.4287,
15.3127

Harmonies

Analogous

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



6.9112, 10.1343, 10.1238



7.1070, 10.1343, 14.9461



7.9449, 10.1343, 19.6771

Triad

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



7.1070, 10.1343, 14.9461



12.3053, 10.1343, 17.0222



9.9632, 10.1343, 4.4373

Complementary

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



7.1070, 10.1343, 14.9461



5.8802, 3.1121, 0.2911

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.



11.5433, 10.1343, 5.3859



7.1070, 10.1343, 14.9461



12.9877, 10.1343, 11.9983

Square

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



7.1070, 10.1343, 14.9461



10.9157, 10.1343, 21.0874



12.6946, 10.1343, 7.8729



8.4538, 10.1343, 4.8256

Rectangle

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



7.1070, 10.1343, 14.9461



8.8091, 10.1343, 21.7072



12.6946, 10.1343, 7.8729



10.5053, 10.1343, 4.5996

Sweetspot

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



7.1073, 10.1347, 14.9463



18.1974, 21.8675, 27.1928



5.0710, 10.1110, 1.7852



4.1582, 5.0591, 6.3632



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.1073, 10.1347, 14.9463



12.7013, 18.0975, 26.7548



3.6486, 3.2172, 13.7934



3.1701, 3.4685, 3.9373



8.9913, 12.8169, 18.9223



45.6306, 64.9398, 96.3559

Inverse Universe

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



8.1262, 3.9237, 12.3861



14.5381, 7.0203, 22.1126



7.2403, 5.8323, 0.7445



3.2116, 3.1615, 3.8448



10.2853, 4.9662, 15.6626



52.3150, 25.2680, 79.3186

Previews

White Background



This preview shows how the XYZ color 7.1070, 10.1343, 14.9461 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 7.1070, 10.1343, 14.9461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

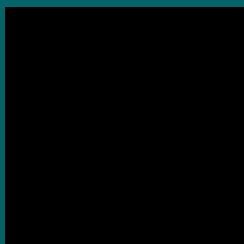
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.1070, 10.1343, 14.9461

Background



This preview shows how black text looks on a background with the XYZ color 7.1070, 10.1343, 14.9461.



This preview shows how white text looks on a background with the XYZ color 7.1070, 10.1343,

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

7.1070, 10.1343, 14.9461

Protanopia

9.8968, 10.1504, 12.9929

Deuteranopia

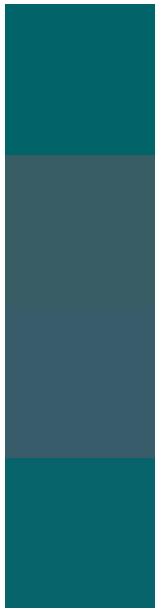
10.3163, 10.1860, 15.6097



Tritanopia

7.4156, 10.2752, 15.7798

Trichromacy



Original Color

7.1070, 10.1343, 14.9461

Protanomaly

7.9507, 9.6381, 13.7532

Deuteranomaly

8.1683, 9.5857, 15.3296

Tritanomaly

7.3112, 10.2275, 15.4987

Monochromacy



Original Color

7.1070, 10.1343, 14.9461

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

5.6608, 7.2170, 9.2783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.1070, 10.1343, 14.9461 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, 100, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 105)  
}
```

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, 100, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 105) }
```

Border

The CSS property to change the border of an element to XYZ 7.1070, 10.1343, 14.9461 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, 100, 105) }
```


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

```
.border{ border-color:rgb(0, 100, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 7.1070, 10.1343, 14.9461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 105) }
```

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

```
.background{ background-color: rgb(0, 100,  
105) }
```

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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