

Converting Colors

XYZ(7.9505, 10.9728, 16.8293)

Have a look what the booklet for
XYZ(7.9505, 10.9728, 16.8293)
contains.

XYZ(7.9332, 10.9584, 16.7360)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(7.9332, 10.9584,
16.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	10676F
RGB	16, 103, 111
RGB Percent	6%, 40%, 44%
CMY	0.9372, 0.5961, 0.5647
CMYK	0.86, 0.07, 0.00, 0.56
HSL	185°, 75%, 25%
HSV	185°, 86%, 44%
XYZ	7.9332, 10.9584, 16.7360
YIQ	77.8990, -54.4200, -15.9560

Conversions

Conversions Part 2

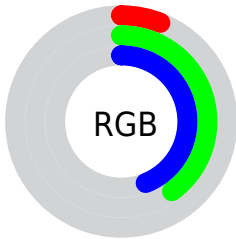
Format	Color
R_{YB}	16, 61, 111
Decimal	1075055
CIE _{Lab}	39.51, -20.76, -11.43
CIE _{LCh}	40, 23.695, 208.832
Yxy	10.9584, 0.2227, 0.3076
Android (android.graphics.Color)	4279265135 (0xFF10676F)
YUV	77.8990, 16.3188, -54.2854
Hunter-Lab	33.1035, -15.1538, -6.8026

Details

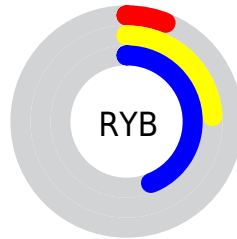
The XYZ color **7.9332, 10.9584, 16.7360** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.9760, 4.0706, 0.9086**, and the grayscale version is **7.2006, 7.5756, 8.2499**.

A 20% lighter version of the original color is **21.4747, 27.4610, 38.8190**, and **2.3114, 3.1872, 5.1960** is the 20% darker color. If you saturate the color by 10%, you get **7.6887, 10.6953, 16.6983**, and if you desaturate by 10%, it is **8.2681, 11.2701, 16.7787**.

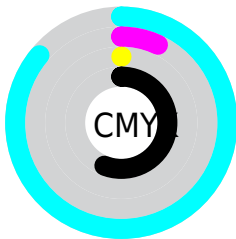
Distribution



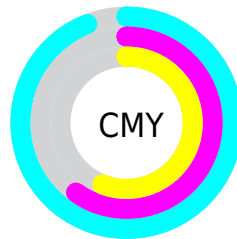
- Red (6%)
- Green (40%)
- Blue (44%)



- Red (6%)
- Yellow (24%)
- Blue (44%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)
- Black (56%)



- Cyan (94%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9332, 10.9584, 16.7360 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 7.9332, 10.9584, 16.7360 by changing the saturation by 10% instead.

7.9332, 10.9584,
16.7360

7.9332, 10.9584,
16.7360

169.5885,
197.3819, 245.6386

4.1037, 6.0389,
9.8865

21.5141, 27.5832,
38.6557

1.7610, 2.8687,
5.2191

31.9961, 40.0573,
54.5630

0.4940, 1.0636,
2.3154

45.4264, 55.8183,
74.3266

0.0000, 0.0000,
0.7398

62.1702, 75.2507,
98.3651

0.0000, 0.0000,
0.0000

82.5930, 98.7389,
127.0970

107.0601,

126.6672, 160.9409

135.9368,
159.4201, 200.3152

■ 7.9332, 10.9584,
16.7360

■ 7.9332, 10.9584,
16.7360

■ 7.6887, 10.6953,
16.6983

■ 8.2681, 11.2701,
16.7787

■ 7.5867, 10.5825,
16.6819

■ 8.7148, 11.6407,
16.8267

■ 9.2849, 12.0765,
16.8808

■ 9.9883, 12.5825,
16.9414

■ 10.8337, 13.1634,
17.0089

■ 11.8293, 13.8232,
17.0838

■ 12.9825, 14.5659,
17.1664

■ 14.3004, 15.3950,
17.2570

■ 15.7894, 16.3140,
17.3559

Harmonies

Analogous

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



7.6181, 10.9584, 11.7520



7.9332, 10.9584, 16.7360



8.8948, 10.9584, 21.2344

Triad

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



7.9332, 10.9584, 16.7360



13.2940, 10.9584, 17.1312



10.4789, 10.9584, 5.0838

Complementary

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



7.9332, 10.9584, 16.7360



6.9760, 4.0706, 0.9086

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.



12.1006, 10.9584, 5.8419



7.9332, 10.9584, 16.7360



13.8258, 10.9584, 12.1134

Square

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



7.9332, 10.9584, 16.7360



11.9803, 10.9584, 21.5009



13.3684, 10.9584, 8.1481



8.9935, 10.9584, 5.7304

Rectangle

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



7.9332, 10.9584, 16.7360



9.8277, 10.9584, 22.9088



13.3684, 10.9584, 8.1481



11.0266, 10.9584, 5.1783

Sweetspot

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



7.9335, 10.9588, 16.7363



20.9667, 24.6117, 30.5752



6.0624, 11.5449, 2.7689



4.9195, 5.8355, 7.3368



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.9335, 10.9588, 16.7363



13.5405, 18.8605, 29.8566



4.4774, 4.0466, 15.5842



3.4521, 3.7695, 4.2999



8.9309, 12.4521, 19.6544



44.1810, 61.4138, 97.8046

Inverse Universe

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



9.1893, 4.7297, 13.2610



15.9801, 7.7481, 22.8837



8.9293, 7.9772, 1.5597



3.5029, 3.4489, 4.1749



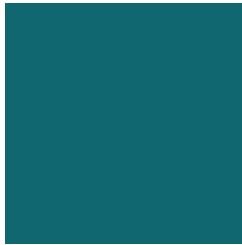
10.5262, 5.1029, 15.1130



52.2805, 25.3575, 74.4663

Previews

White Background



This preview shows how the XYZ color 7.9332, 10.9584, 16.7360 looks on a white background.

Color Contrast Check

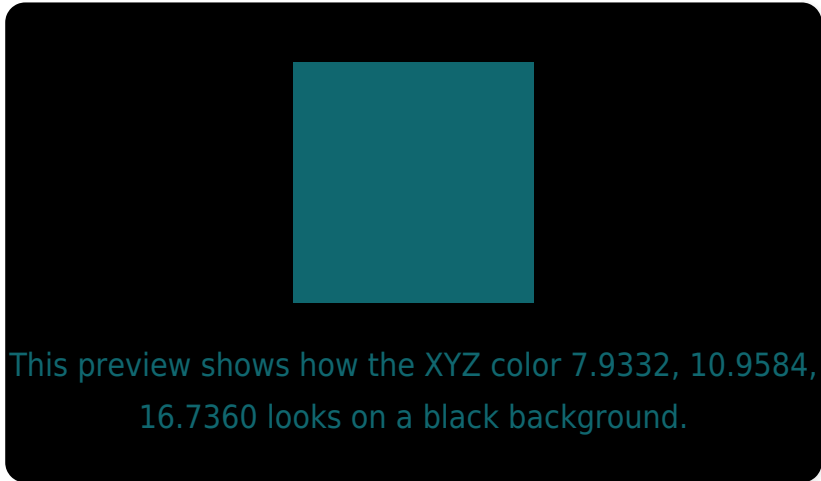
Large Text (above 18pt) WCAG AA ✓ Pass

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

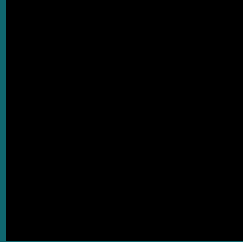
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.9332, 10.9584, 16.7360

Background



This preview shows how black text looks on a background with the XYZ color 7.9332, 10.9584, 16.7360.



This preview shows how white text looks on a background with the XYZ color 7.9332, 10.9584,

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

7.9332, 10.9584, 16.7360

Protanopia

10.6402, 10.8779, 14.6356

Deuteranopia

11.0927, 10.9212, 17.4429



Tritanopia

7.9332, 10.9584, 16.7360

Trichromacy



Original Color

7.9332, 10.9584, 16.7360

Protanomaly

8.9511, 10.5173, 15.4682

Deuteranomaly

9.1872, 10.4667, 17.1588

Tritanomaly

7.9332, 10.9584, 16.7360

Monochromacy



Original Color

7.9332, 10.9584, 16.7360

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.8292, 8.3668, 10.9279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9332, 10.9584, 16.7360 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(16, 103, 111)` looks like.

```
.text, #text, p{  
    color:rgb(16, 103, 111)  
}
```

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(16, 103, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 103, 111) }
```

Border

The CSS property to change the border of an element to XYZ 7.9332, 10.9584, 16.7360 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(16, 103, 111) }
```


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

```
.border{ border-color:rgb(16, 103, 111) }
```

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

Here you see how a box with a 4 pixel rgb(16, 103, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 103, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 103, 111);  
box-shadow:4px 4px 4px 4px rgb(16, 103,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9332, 10.9584, 16.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 103, 111) }
```

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

```
.background{ background-color: rgb(16, 103,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor