

Converting Colors

XYZ(9.8834, 13.4281, 17.5671)

Have a look what the booklet for
XYZ(9.8834, 13.4281, 17.5671)
contains.

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Color

**XYZ(9.8570, 13.3385,
17.6779)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7071
RGB	45, 112, 113
RGB Percent	18%, 44%, 44%
CMY	0.8235, 0.5608, 0.5569
CMYK	0.60, 0.01, 0.00, 0.56
HSL	181°, 43%, 31%
HSV	181°, 60%, 44%
XYZ	9.8570, 13.3385, 17.6779
YIQ	92.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

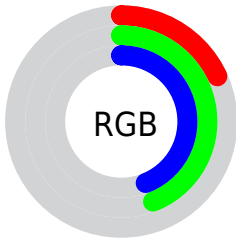
Format	Color
RYB	45, 79, 113
Decimal	2977905
CIELab	43.27, -20.56, -6.92
CIELCh	43, 21.691, 198.603
Yxy	13.3385, 0.2412, 0.3263
Android (android.graphics.Color)	4281167985 (0xFF2D7071)
YUV	92.0810, 10.3131, -41.2900
Hunter-Lab	36.5219, -15.7375, -3.1331




Details

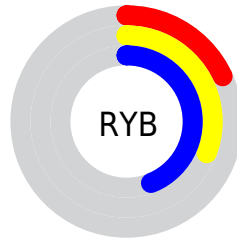
The XYZ color **9.8570, 13.3385, 17.6779** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.2610, 5.6544, 3.1389**, and the grayscale version is **10.1754, 10.7053, 11.6580**.




A 20% lighter version of the original color is **25.2126, 31.9202, 40.4297**, and **2.7875, 4.0484, 5.6355** is the 20% darker color. If you saturate the color by 10%, you get **9.4067, 13.0795, 17.6519**, and if you desaturate by 10%, it is **10.4413, 13.6672, 17.7108**.

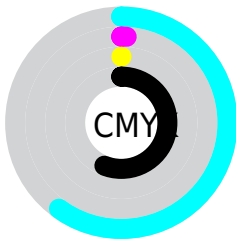
Distribution







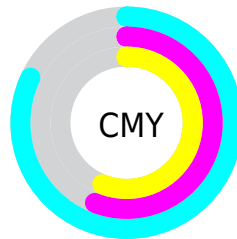
-  Red (18%)
-  Green (44%)
-  Blue (44%)






-  Red (18%)
-  Yellow (31%)
-  Blue (44%)



-  Cyan (60%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (82%)
-  Magenta (56%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8570, 13.3385, 17.6779 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 9.8570, 13.3385, 17.6779 by changing the saturation by 10% instead.

9.8570, 13.3385,
17.6779

9.8570, 13.3385,
17.6779

183.7234,
213.0758, 251.2241

5.3658, 7.6621,
10.5519

25.1783, 31.9106,
40.2942

2.5004, 3.8795,
5.6561

36.7391, 45.5750,
56.6216

0.8955, 1.6064,
2.5717

51.3872, 62.6709,
76.8533

0.0000, 0.3619,
0.8778

69.4878, 83.5826,
101.4077

0.0000, 0.0000,
0.0000

91.4064, 108.6946,
130.7035

117.5083,

138.3912, 165.1591

148.1588,
173.0568, 205.1931

■ 9.8570, 13.3385,
17.6779

■ 9.8570, 13.3385,
17.6779

■ 9.4067, 13.0795,
17.6519

■ 10.4413, 13.6672,
17.7108

■ 9.0783, 12.8831,
17.6313

■ 11.1681, 14.0692,
17.7501

■ 8.8596, 12.7433,
17.6158

■ 12.0466, 14.5494,
17.7965

■ 8.7024, 12.6357,
17.6033

■ 13.0849, 15.1120,
17.8503

■ 14.2905, 15.7609,
17.9120

■ 15.6704, 16.4998,
17.9819

■ 17.2313, 17.3320,
18.0603

■ 18.9795, 18.2608,
18.1474

■ 20.9209, 19.2892,
18.2436

Harmonies

Analogous

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



9.7684, 13.3385, 12.7714



9.8570, 13.3385, 17.6779



10.6601, 13.3385, 22.6242

Triad

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



9.8570, 13.3385, 17.6779



15.2578, 13.3385, 21.5376



13.3267, 13.3385, 7.2130

Complementary

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



9.8570, 13.3385, 17.6779



8.2610, 5.6544, 3.1389

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.



14.9354, 13.3385, 8.6318



9.8570, 13.3385, 17.6779



16.1142, 13.3385, 16.4286

Square

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



9.8570, 13.3385, 17.6779



13.7361, 13.3385, 25.1700



15.9912, 13.3385, 11.7684



11.6753, 13.3385, 7.4033

Rectangle

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



9.8570, 13.3385, 17.6779



11.5358, 13.3385, 24.9481



15.9912, 13.3385, 11.7684



13.8928, 13.3385, 7.5022

Sweetspot

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



9.8574, 13.3390, 17.6782



23.7746, 27.2461, 31.9815



7.4613, 12.5579, 4.5136



5.3903, 6.2428, 7.3906



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.



9.8574, 13.3390, 17.6782



16.5990, 23.2763, 31.5934



6.8591, 7.3425, 16.6788



3.4710, 3.8072, 4.3061



9.8700, 14.3303, 19.9674



49.1079, 71.2676, 99.4469

Inverse Universe

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



10.6734, 6.5577, 16.0330



18.2164, 9.9869, 28.2987



10.0800, 9.2925, 3.7453



3.5124, 3.4527, 4.2249



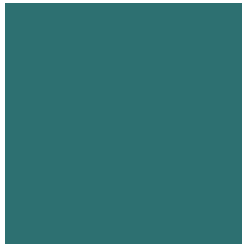
11.0003, 5.2925, 17.6091



54.7674, 26.3523, 87.5620

Previews

White Background



This preview shows how the XYZ color 9.8570, 13.3385, 17.6779 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 9.8570, 13.3385, 17.6779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

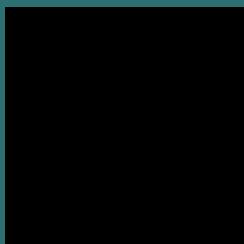
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

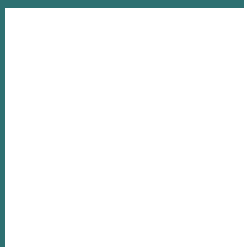
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8570, 13.3385, 17.6779

Background



This preview shows how black text looks on a background with the XYZ color 9.8570, 13.3385, 17.6779.



This preview shows how white text looks on a background with the XYZ color 9.8570, 13.3385,

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

9.8570, 13.3385, 17.6779

Protanopia

12.7347, 13.1727, 15.5071

Deuteranopia

13.4399, 13.1879, 18.3602



Tritanopia

10.2935, 13.3533, 19.8042

Trichromacy



Original Color

9.8570, 13.3385, 17.6779

Protanomaly

11.2052, 12.9566, 16.3783

Deuteranomaly

11.6121, 12.9774, 18.1125

Tritanomaly

10.0676, 13.2576, 18.8580

Monochromacy



Original Color

9.8570, 13.3385, 17.6779

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.6637, 11.3396, 13.7360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8570, 13.3385, 17.6779 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(45, 112, 113)` looks like.

```
.text, #text, p{  
    color:rgb(45, 112, 113)  
}
```

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(45, 112, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 112, 113) }
```

Border

The CSS property to change the border of an element to XYZ 9.8570, 13.3385, 17.6779 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(45, 112, 113) }
```


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

```
.border{ border-color:rgb(45, 112, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 112, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 112, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 112, 113);  
box-shadow:4px 4px 4px 4px rgb(45, 112,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8570, 13.3385, 17.6779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 112, 113) }
```

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

```
.background{ background-color: rgb(45, 112,  
113) }
```

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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