Converting Colors

XYZ(9.9139, 14.2590, 20.2934)

Have a look what the booklet for XYZ(9.9139, 14.2590, 20.2934) contains.

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Color

XYZ(9.9672, 14.3567, 20.3350)

Conversions

Conversions Part 1

Format	Color
Hex	037679
RGB	3, 118, 121
RGB Percent	1%, 46%, 47%
CMY	0.9882, 0.5372, 0.5255
CMYK	0.98, 0.02, 0.00, 0.53
HSL	182°, 95%, 24%
HSV	182°, 98%, 47%
XYZ	9.9672, 14.3567, 20.3350
YIQ	83.9570, -69.5030, -23.4470

Conversions

Conversions Part 2

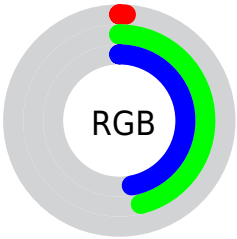
Format	Color
RYB	3, 61, 121
Decimal	226937
CIELab	44.74, -26.03, -9.60
CIELCh	45, 27.740, 200.239
Yxy	14.3567, 0.2232, 0.3215
Android (android.graphics.Color)	4278417017 (0xFF037679)
YUV	83.9570, 18.2622, -70.9993
Hunter-Lab	37.8902, -19.3527, -5.2967

Details

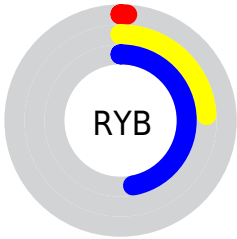
The XYZ color 9.9672, 14.3567, 20.3350 is a dark color, and the websafe version is hex 006666. A complement of this color would be 7.9671, 4.2022, 0.4778, and the grayscale version is 8.3929, 8.8300, 9.6159.

A 20% lighter version of the original color is 25.4140, 33.8484, 44.7291, and 3.3307, 4.7373, 7.0422 is the 20% darker color. If you saturate the color by 10%, you get 9.9209, 14.3197, 20.3306, and if you desaturate by 10%, it is 10.1651, 14.5129, 20.3550.

Distribution

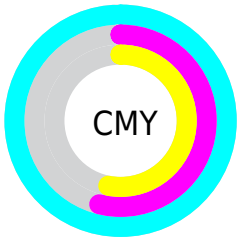


- Red (1%)
- Green (46%)
- Blue (47%)



- Red (1%)
- Yellow (24%)
- Blue (47%)

- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (99%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9672, 14.3567, 20.3350 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 9.9672, 14.3567, 20.3350 by changing the saturation by 10% instead.

9.9672, 14.3567, 20.3350

9.9672, 14.3567, 20.3350

184.4963, 219.4387, 266.3869

5.4393, 8.3692, 12.4523

25.3840, 33.7206, 44.8445

2.5446, 4.3321, 6.9262

37.0037, 47.8658, 62.3083

0.9178, 1.8610, 3.3383

51.7180, 65.4990, 83.8029

0.0000, 0.5248, 1.2698

69.8922, 87.0045, 109.7469

0.0000, 0.0000, 0.0369

91.8918, 112.7669, 140.5587

0.0000, 0.0000, 0.0000

118.0822,

143.1705, 176.6570

148.8285, 178.5996, 218.4602

9.9672, 14.3567, 20.3350

9.9209, 14.3197, 20.3306

9.9672, 14.3567, 20.3350

10.1651, 14.5129, 20.3550

10.4603, 14.7191, 20.3792

10.8878, 14.9937, 20.4097

11.4621, 15.3441, 20.4471

12.1956, 15.7768, 20.4919

13.0995, 16.2976, 20.5448

14.1841, 16.9117, 20.6062

15.4588, 17.6239, 20.6765

16.9323, 18.4387, 20.7561

Harmonies

Analogous

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

9.8018, 14.3567, 13.6192

9.9672, 14.3567, 20.3350

11.0552, 14.3567, 27.2573

Triad

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

9.9672, 14.3567, 20.3350

17.2588, 14.3567, 24.9989

14.3942, 14.3567, 6.3076

Complementary

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

9.9672, 14.3567, 20.3350

7.9671, 4.2022, 0.4778

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.

16.6120, 14.3567, 7.8954

9.9672, 14.3567, 20.3350

18.3821, 14.3567, 17.8340

Square

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

9.9672, 14.3567, 20.3350

15.2017, 14.3567, 30.4235

18.1331, 14.3567, 11.7165

12.1995, 14.3567, 6.6337

Rectangle

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

9.9672, 14.3567, 20.3350

12.2311, 14.3567, 30.4788

18.1331, 14.3567, 11.7165

15.1652, 14.3567, 6.6137

Sweetspot

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

9.9676, 14.3572, 20.3353

24.9401, 30.0251, 36.8738

6.9025, 13.7054, 2.4247

5.5468, 6.7772, 8.4225

59.0181, 62.0916, 67.6177

7.4413, 7.8288, 8.5256

Same Dimension

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

9.9676, 14.3572, 20.3353

17.7491, 25.6100, 36.4006

5.1071, 4.6361, 18.7152

4.0988, 4.4958, 5.0949

10.6302, 15.3429, 21.7865

50.6077, 72.9881, 103.8906

Inverse Universe

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

11.1882, 5.4385, 17.6001

19.9597, 9.6150, 31.4111

9.7338, 7.7356, 1.0667

4.1503, 4.0758, 4.9891

11.9490, 5.7557, 18.8201

56.9476, 27.4354, 89.5090

Previews

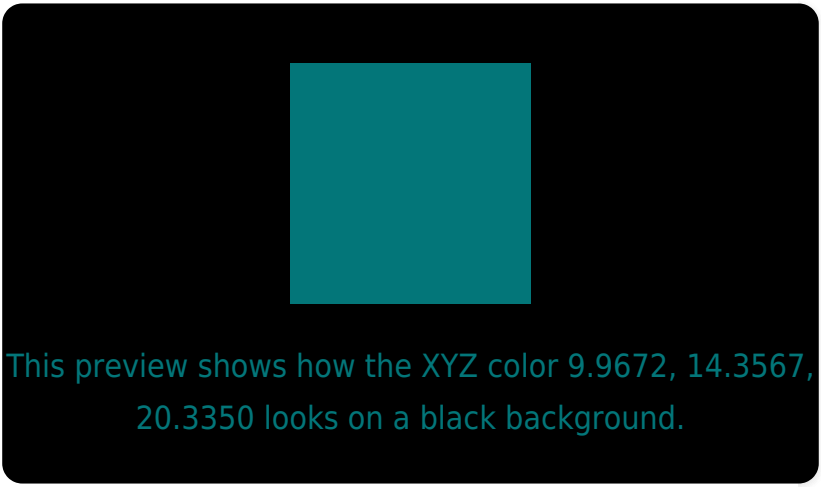
White Background

This preview shows how the XYZ color 9.9672, 14.3567, 20.3350 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

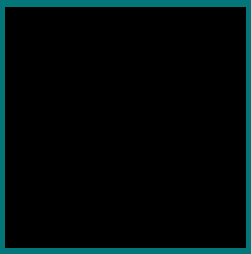


Color Contrast Check

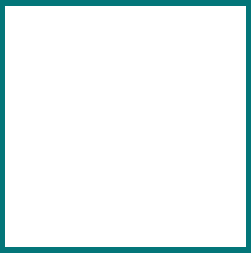
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

XYZ 9.9672, 14.3567, 20.3350 Background



This preview shows how black text looks on a background with the XYZ color 9.9672, 14.3567, 20.3350.



This preview shows how white text looks on a background with the XYZ color 9.9672, 14.3567,

20.3350.

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
9.9672, 14.3567, 20.3350

Protanopia
13.8579, 14.2987, 17.6523

Deuteranopia
14.5517, 14.2815, 21.0584

Tritanopia
10.4415, 14.3835, 22.3046

Trichromacy

Original Color
9.9672, 14.3567, 20.3350

Protanomaly
11.1122, 13.6418, 18.5704

Deuteranomaly
11.3920, 13.4204, 20.7289

Tritanomaly
10.2289, 14.2888, 21.6209

Monochromacy

Original Color
9.9672, 14.3567, 20.3350

Achromatopsia
8.4267, 8.8656, 9.6546

Achromatomaly
7.9161, 10.0410, 12.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9672, 14.3567, 20.3350 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(3, 118, 121) looks like.

```
.text, #text, p{
    color:rgb(3, 118, 121)
}
```

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(3, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 118, 121) }
```

Border

The CSS property to change the border of an element to XYZ 9.9672, 14.3567, 20.3350 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(3, 118, 121) }
```

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

```
.border{ border-color:rgb(3, 118, 121) }
```

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

Here you see how a box with a 4 pixel rgb(3, 118, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(3, 118, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(3, 118, 121); box-shadow:4px 4px 4px 4px rgb(3, 118, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9672, 14.3567, 20.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(3, 118, 121) }
```

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

```
.background{ background-color:rgb(3, 118,
121) }
```

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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