

Converting Colors

XYZ(9.8270, 14.7672, 28.3952)

Have a look what the booklet for
XYZ(9.8270, 14.7672, 28.3952)
contains.

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Color

**XYZ(11.9175, 15.9022,
28.4279)**

Conversions

Conversions Part 1

Format	Color
Hex	007A8F
RGB	0, 122, 143
RGB Percent	0%, 48%, 56%
CMY	0.9999, 0.5216, 0.4392
CMYK	1.00, 0.15, 0.00, 0.44
HSL	189°, 100%, 28%
HSV	189°, 100%, 56%
XYZ	11.9175, 15.9022, 28.4279
YIQ	87.9160, -79.4530, -19.3330

Conversions

Conversions Part 2

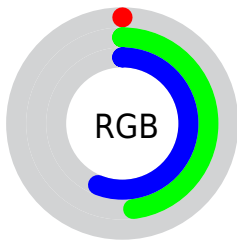
Format	Color
RYB	0, 66, 143
Decimal	31375
CIELab	46.85, -20.63, -19.47
CIELCh	47, 28.369, 223.346
Yxy	15.9022, 0.2119, 0.2827
Android (android.graphics.Color)	4278221455 (0xFF007A8F)
YUV	87.9160, 27.1564, -77.1023
Hunter-Lab	39.8776, -16.4406, -14.3523

Details

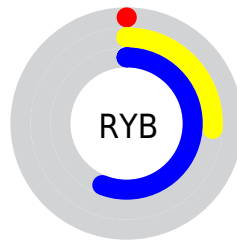
The XYZ color **11.9175, 15.9022, 28.4279** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.5966, 6.3771, 0.6205**, and the grayscale version is **9.2145, 9.6944, 10.5572**.

A 20% lighter version of the original color is **29.0642, 36.5760, 58.3514**, and **4.3583, 5.5554, 11.1985** is the 20% darker color. If you saturate the color by 10%, you get **11.9172, 15.9016, 28.4281**, and if you desaturate by 10%, it is **12.3646, 16.5200, 28.5239**.

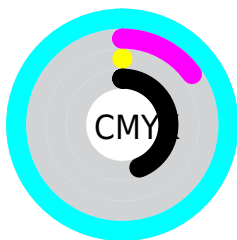
Distribution



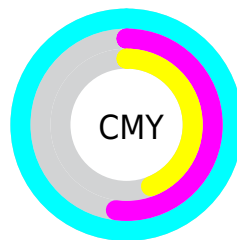
- Red (0%)
- Green (48%)
- Blue (56%)



- Red (0%)
- Yellow (26%)
- Blue (56%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9175, 15.9022, 28.4279 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 11.9175, 15.9022, 28.4279 by changing the saturation by 10% instead.

■ 11.9175, 15.9022,
28.4279

■ 11.9175, 15.9022,
28.4279

■ 197.6394,
228.7639, 308.4820

■ 6.7593, 9.4550,
18.4066

■ 28.9629, 36.4283,
58.1982

■ 3.3570, 5.0391,
11.0699

■ 41.5809, 51.2760,
78.7843

■ 1.3453, 2.2702,
5.9991

■ 57.4161, 69.6927,
103.7290

■ 0.2167, 0.7579,
2.7757

■ 76.8341, 92.0627,
133.4510

■ 0.0000, 0.0000,
0.9813

■ 100.2000,
118.7704, 168.3688

■ 0.0000, 0.0000,
0.0000

■ 127.8793,

150.2002, 208.9008

160.2373,
186.7366, 255.4657

■ 11.9175, 15.9022,
28.4279

■ 11.9175, 15.9022,
28.4279

■ 11.9172, 15.9016,
28.4281

■ 12.3646, 16.5200,
28.5239

■ 12.9409, 17.2124,
28.6272

■ 13.7099, 18.0126,
28.7411

■ 14.6947, 18.9324,
28.8667

■ 15.9151, 19.9821,
29.0050

■ 17.3887, 21.1710,
29.1568

■ 19.1313, 22.5070,
29.3229

■ 21.1575, 23.9979,
29.5038

■ 23.4808, 25.6507,
29.7004

Harmonies

Analogous

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



10.9489, 15.9022, 20.6475



11.9175, 15.9022, 28.4279



13.7940, 15.9022, 33.8858

Triad

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



11.9175, 15.9022, 28.4279



20.1358, 15.9022, 21.5123



14.0447, 15.9022, 7.1668

Complementary

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



11.9175, 15.9022, 28.4279



11.5966, 6.3771, 0.6205

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.



16.5168, 15.9022, 7.2803



11.9175, 15.9022, 28.4279



20.2219, 15.9022, 14.3615

Square

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



11.9175, 15.9022, 28.4279



18.6140, 15.9022, 29.2077



18.8377, 15.9022, 9.5569



12.0837, 15.9022, 9.1881

Rectangle

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



11.9175, 15.9022, 28.4279



15.3934, 15.9022, 34.7494



18.8377, 15.9022, 9.5569



14.8391, 15.9022, 6.9774

Sweetspot

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



11.9180, 15.9028, 28.4283



34.0416, 40.1415, 52.4919



9.9412, 19.6927, 3.8973



7.5254, 8.9921, 12.0112



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.9180, 15.9028, 28.4283



21.2442, 28.2822, 50.8773



6.2066, 4.4798, 26.5245



5.4937, 5.9832, 6.8941



10.5487, 14.0834, 25.1395



0.1128, 0.1584, 0.2443

Inverse Universe

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



14.8411, 7.2455, 19.0291



26.5276, 12.9545, 33.8163



15.0330, 13.2499, 1.7659



5.5927, 5.4976, 6.6190



13.1276, 6.4081, 16.8552



0.1315, 0.0637, 0.1928

Previews

White Background



This preview shows how the XYZ color 11.9175, 15.9022, 28.4279 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 11.9175, 15.9022, 28.4279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

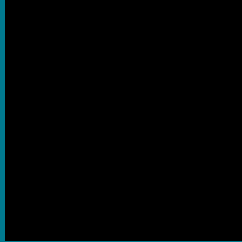
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9175, 15.9022, 28.4279

Background



This preview shows how black text looks on a background with the XYZ color 11.9175, 15.9022, 28.4279.

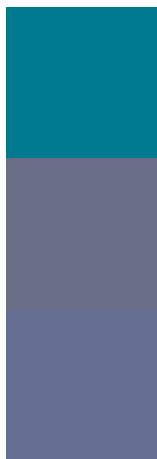


This preview shows how white text looks on a background with the XYZ color 11.9175, 15.9022,

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

11.9175, 15.9022, 28.4279

Protanopia

15.7047, 15.8763, 24.7910

Deuteranopia

16.1364, 15.8374, 29.4006



Tritanopia

11.3166, 15.8594, 24.6550

Trichromacy



Original Color

11.9175, 15.9022, 28.4279

Protanomaly

12.8474, 15.0341, 25.8916

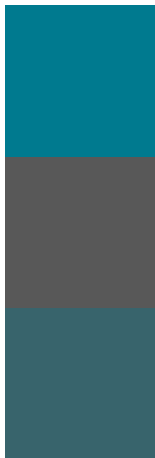
Deuteranomaly

13.3081, 15.2028, 29.0211

Tritanomaly

11.5983, 15.9721, 26.1385

Monochromacy



Original Color

11.9175, 15.9022, 28.4279

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.8948, 11.0378, 15.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9175, 15.9022, 28.4279 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, 122, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 143)  
}
```

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, 122, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 143) }
```

Border

The CSS property to change the border of an element to XYZ 11.9175, 15.9022, 28.4279 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, 122, 143) }
```


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

```
.border{ border-color:rgb(0, 122, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9175, 15.9022, 28.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 143) }
```

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

```
.background{ background-color: rgb(0, 122,  
143) }
```

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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