

Converting Colors

XYZ(4.9406, 13.2480, 27.6493)

Have a look what the booklet for
XYZ(4.9406, 13.2480, 27.6493)
contains.

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Color

**XYZ(12.3971, 17.1018,
27.8469)**

Conversions

Conversions Part 1

Format	Color
Hex	007F8D
RGB	0, 127, 141
RGB Percent	0%, 50%, 55%
CMY	0.9999, 0.5020, 0.4471
CMYK	1.00, 0.10, 0.00, 0.45
HSL	186°, 100%, 28%
HSV	186°, 100%, 55%
XYZ	12.3971, 17.1018, 27.8469
YIQ	90.6230, -80.1860, -22.5700

Conversions

Conversions Part 2

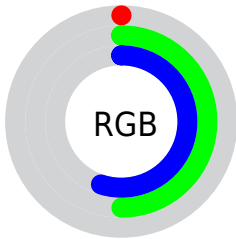
Format	Color
RYB	0, 67, 141
Decimal	32653
CIELab	48.39, -23.97, -15.94
CIELCh	48, 28.780, 213.624
Yxy	17.1018, 0.2162, 0.2982
Android (android.graphics.Color)	4278222733 (0xFF007F8D)
YUV	90.6230, 24.8359, -79.4764
Hunter-Lab	41.3543, -18.8598, -10.9763

Details

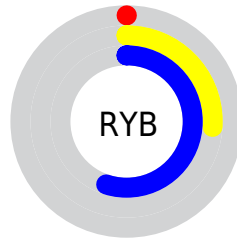
The XYZ color **12.3971, 17.1018, 27.8469** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1421, 5.9775, 0.5672**, and the grayscale version is **9.8188, 10.3301, 11.2495**.

A 20% lighter version of the original color is **29.8277, 38.4675, 57.4826**, and **4.5422, 6.0631, 10.8284** is the 20% darker color. If you saturate the color by 10%, you get **12.3971, 17.1017, 27.8472**, and if you desaturate by 10%, it is **12.7625, 17.5608, 27.9166**.

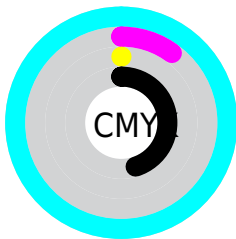
Distribution



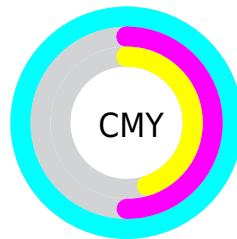
- Red (0%)
- Green (50%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3971, 17.1018, 27.8469 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 12.3971, 17.1018, 27.8469 by changing the saturation by 10% instead.

■ 12.3971, 17.1018,
27.8469

■ 12.3971, 17.1018,
27.8469

■ 200.7334,
235.7583, 305.6235

■ 7.0888, 10.3071,
17.9722

■ 29.8269, 38.5007,
57.2601

■ 3.5645, 5.6030,
10.7608

■ 42.6792, 53.8737,
77.6357

■ 1.4589, 2.6052,
5.7941

■ 58.7769, 72.8750,
102.3487

■ 0.2976, 0.9293,
2.6535

■ 78.4853, 95.8888,
131.8176

■ 0.0000, 0.0000,
0.9199

■ 102.1698,
123.2997, 166.4610

■ 0.0000, 0.0000,
0.0000

■ 130.1957,

155.4920, 206.6974

162.9285,
192.8501, 252.9454

■ 12.3971, 17.1018,
27.8469

■ 12.3971, 17.1018,
27.8469

■ 12.3971, 17.1017,
27.8472

■ 12.7625, 17.5608,
27.9166

■ 13.2491, 18.0858,
27.9922

■ 13.9194, 18.7091,
28.0772

■ 14.7956, 19.4424,
28.1726

■ 15.8969, 20.2956,
28.2792

■ 17.2402, 21.2773,
28.3979

■ 18.8408, 22.3955,
28.5294

■ 20.7128, 23.6573,
28.6743

■ 22.8690, 25.0696,
28.8332

Harmonies

Analogous

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



11.7123, 17.1018, 19.5515



12.3971, 17.1018, 27.8469



14.1101, 17.1018, 34.8427

Triad

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



12.3971, 17.1018, 27.8469



21.2191, 17.1018, 25.8243



15.9372, 17.1018, 7.5845

Complementary

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



12.3971, 17.1018, 27.8469



11.1421, 5.9775, 0.5672

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.



18.6064, 17.1018, 8.4264



12.3971, 17.1018, 27.8469



21.8418, 17.1018, 17.7204

Square

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



12.3971, 17.1018, 27.8469



19.2188, 17.1018, 33.4710



20.8396, 17.1018, 11.6976



13.6123, 17.1018, 8.9776

Rectangle

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



12.3971, 17.1018, 27.8469



15.6996, 17.1018, 37.0406



20.8396, 17.1018, 11.6976



16.8228, 17.1018, 7.6179

Sweetspot

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



12.3976, 17.1024, 27.8473



33.5367, 39.9663, 51.0746



9.5903, 19.0761, 3.5171



7.2444, 8.7563, 11.3877



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3976, 17.1024, 27.8473



22.1315, 30.4873, 49.8461



6.3599, 5.0269, 25.8347



5.5152, 6.0261, 6.9012



11.3101, 15.6062, 25.3933



0.1167, 0.1663, 0.2456

Inverse Universe

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



14.8158, 7.1956, 20.6872



26.4966, 12.8711, 36.8612



14.0217, 11.7367, 1.5270



5.6035, 5.5019, 6.6760



13.5119, 6.5618, 18.8790



0.1335, 0.0645, 0.2033

Previews

White Background



This preview shows how the XYZ color 12.3971, 17.1018, 27.8469 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 12.3971, 17.1018, 27.8469 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

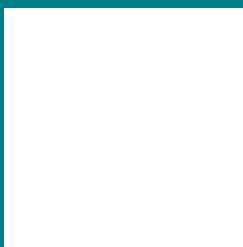
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3971, 17.1018, 27.8469

Background



This preview shows how black text looks on a background with the XYZ color 12.3971, 17.1018, 27.8469.

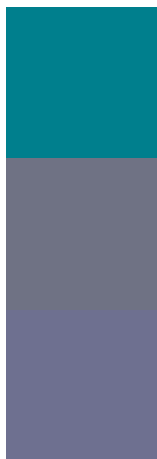


This preview shows how white text looks on a background with the XYZ color 12.3971, 17.1018,

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

12.3971, 17.1018, 27.8469

Protanopia

16.7377, 17.0801, 24.2444

Deuteranopia

17.2586, 16.9170, 28.7412

Trichromacy



Original Color

12.3971, 17.1018, 27.8469

Protanomaly

13.5685, 16.2825, 25.3494

Deuteranomaly

13.8450, 16.0078, 28.3467

Monochromacy



Original Color

12.3971, 17.1018, 27.8469

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.4556, 11.9043, 16.2674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3971, 17.1018, 27.8469 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, 127, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 141)  
}
```

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, 127, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 141) }
```

Border

The CSS property to change the border of an element to XYZ 12.3971, 17.1018, 27.8469 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, 127, 141) }
```

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

```
.border{ border-color:rgb(0, 127, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
141) }
```


Background

The CSS property to change the background color of an element to XYZ 12.3971, 17.1018, 27.8469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 141) }
```

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

```
.background{ background-color: rgb(0, 127,  
141) }
```

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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