

Converting Colors

XYZ(12.8452, 17.1506, 30.6089)

Have a look what the booklet for
XYZ(12.8452, 17.1506, 30.6089)
contains.

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Color

**XYZ(12.8062, 17.0598,
30.6349)**

Conversions

Conversions Part 1

Format	Color
Hex	007E94
RGB	0, 126, 148
RGB Percent	0%, 49%, 58%
CMY	0.9999, 0.5059, 0.4196
CMYK	1.00, 0.15, 0.00, 0.42
HSL	189°, 100%, 29%
HSV	189°, 100%, 58%
XYZ	12.8062, 17.0598, 30.6349
YIQ	90.8340, -82.1580, -19.8700

Conversions

Conversions Part 2

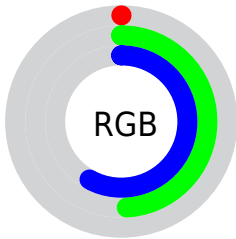
Format	Color
RYB	0, 68, 148
Decimal	32404
CIELab	48.34, -20.98, -20.13
CIELCh	48, 29.075, 223.818
Yxy	17.0598, 0.2117, 0.2820
Android (android.graphics.Color)	4278222484 (0xFF007E94)
YUV	90.8340, 28.1828, -79.6614
Hunter-Lab	41.3035, -16.9370, -15.0631

Details

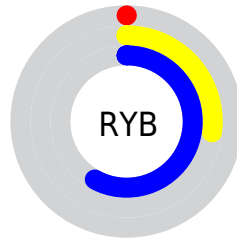
The XYZ color **12.8062, 17.0598, 30.6349** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **12.5005, 6.8710, 0.6682**, and the grayscale version is **9.8599, 10.3733, 11.2966**.

A 20% lighter version of the original color is **30.5271, 38.4358, 61.6870**, and **4.8115, 6.1708, 12.2468** is the 20% darker color. If you saturate the color by 10%, you get **12.8058, 17.0591, 30.6351**, and if you desaturate by 10%, it is **13.2851, 17.7293, 30.7392**.

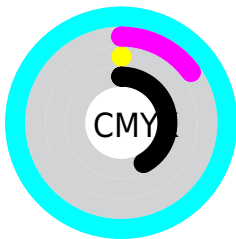
Distribution



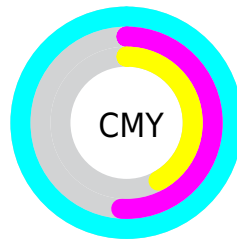
- Red (0%)
- Green (49%)
- Blue (58%)



- Red (0%)
- Yellow (27%)
- Blue (58%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8062, 17.0598, 30.6349 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 12.8062, 17.0598, 30.6349 by changing the saturation by 10% instead.

■ 12.8062, 17.0598,
30.6349

■ 12.8062, 17.0598,
30.6349

203.3347,
235.5168, 319.1517

■ 7.3713, 10.2771,
20.0649

■ 30.5595, 38.4286,
61.7376

■ 3.7438, 5.5831,
12.2577

■ 43.6085, 53.7835,
83.1074

■ 1.5582, 2.5933,
6.7947

■ 59.9264, 72.7645,
108.9141

■ 0.3649, 0.9233,
3.2576

■ 79.8784, 95.7562,
139.5764

■ 0.0000, 0.0000,
1.2276

■ 103.8298,
123.1429, 175.5128

■ 0.0000, 0.0000,
0.0013

■ 132.1461,

■ 0.0000, 0.0000,

155.3089, 217.1418

0.0000

165.1926,
192.6388, 264.8819

■ 12.8062, 17.0598,
30.6349

■ 12.8062, 17.0598,
30.6349

■ 12.8058, 17.0591,
30.6351

■ 13.2851, 17.7293,
30.7392

■ 13.9063, 18.4811,
30.8516

■ 14.7358, 19.3496,
30.9755

■ 15.7991, 20.3480,
31.1122

■ 17.1178, 21.4874,
31.2626

■ 18.7110, 22.7779,
31.4277

■ 20.5960, 24.2282,
31.6083

■ 22.7885, 25.8468,
31.8052

■ 25.3034, 27.6411,
32.0189

Harmonies

Analogous

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



11.7493, 17.0598, 22.2869



12.8062, 17.0598, 30.6349



14.8346, 17.0598, 36.4308

Triad

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



12.8062, 17.0598, 30.6349



21.6228, 17.0598, 22.9504



15.0269, 17.0598, 7.6953

Complementary

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



12.8062, 17.0598, 30.6349



12.5005, 6.8710, 0.6682

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.



17.6781, 17.0598, 7.7822



12.8062, 17.0598, 30.6349



21.6888, 17.0598, 15.3004

Square

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



12.8062, 17.0598, 30.6349



20.0086, 17.0598, 31.2334



20.1802, 17.0598, 10.1863



12.9337, 17.0598, 9.9036

Rectangle

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



12.8062, 17.0598, 30.6349



16.5568, 17.0598, 37.2934



20.1802, 17.0598, 10.1863



15.8776, 17.0598, 7.4804

Sweetspot

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



12.8068, 17.0604, 30.6353



36.1189, 42.5822, 55.7501



10.7145, 21.2299, 4.1837



7.9430, 9.4906, 12.6981



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.8068, 17.0604, 30.6353



22.4961, 29.9018, 54.0205



6.6782, 4.8033, 28.5925



5.8914, 6.4168, 7.3978



10.9536, 14.6020, 26.1722



0.1501, 0.2109, 0.3257

Inverse Universe

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



15.9792, 7.8030, 20.4031



28.1432, 13.7466, 35.7341



16.1931, 14.2561, 1.8991



5.9986, 5.8945, 7.0990



13.6560, 6.6674, 17.4671



0.1753, 0.0849, 0.2565

Previews

White Background



This preview shows how the XYZ color 12.8062, 17.0598, 30.6349 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 12.8062, 17.0598, 30.6349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

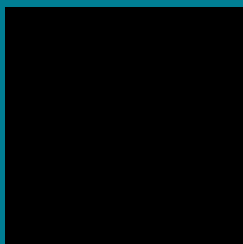
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8062, 17.0598, 30.6349

Background



This preview shows how black text looks on a background with the XYZ color 12.8062, 17.0598, 30.6349.



This preview shows how white text looks on a background with the XYZ color 12.8062, 17.0598,

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

12.8062, 17.0598, 30.6349

Protanopia

16.8720, 16.9255, 26.8038

Deuteranopia

17.4349, 17.1088, 31.6616

Trichromacy



Original Color

12.8062, 17.0598, 30.6349

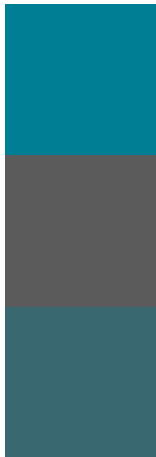
Protanomaly

13.8152, 16.1751, 27.9851

Deuteranomaly

14.2982, 16.3522, 31.2568

Monochromacy



Original Color

12.8062, 17.0598, 30.6349

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.6199, 11.9700, 17.1327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8062, 17.0598, 30.6349 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, 126, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 148)  
}
```

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, 126, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.8062, 17.0598, 30.6349 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, 126, 148) }
```

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

```
.border{ border-color:rgb(0, 126, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
148) }
```


Background

The CSS property to change the background color of an element to XYZ 12.8062, 17.0598, 30.6349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 148) }
```

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

```
.background{ background-color: rgb(0, 126,  
148) }
```

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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