

Converting Colors

XYZ(13.0528, 17.2394, 31.6841)

Have a look what the booklet for
XYZ(13.0528, 17.2394, 31.6841)
contains.

XYZ(12.9659, 17.1237, 31.4760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9659, 17.1237,
31.4760)**

Conversions

Conversions Part 1

Format	Color
Hex	007E96
RGB	0, 126, 150
RGB Percent	0%, 49%, 59%
CMY	0.9999, 0.5059, 0.4118
CMYK	1.00, 0.16, 0.00, 0.41
HSL	190°, 100%, 29%
HSV	190°, 100%, 59%
XYZ	12.9659, 17.1237, 31.4760
YIQ	91.0620, -82.8000, -19.2480

Conversions

Conversions Part 2

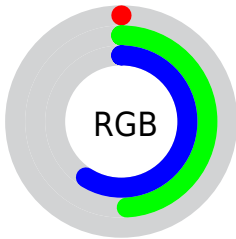
Format	Color
RYB	0, 68, 150
Decimal	32406
CIELab	48.42, -20.26, -21.18
CIELCh	48, 29.313, 226.268
Yxy	17.1237, 0.2106, 0.2781
Android (android.graphics.Color)	4278222486 (0xFF007E96)
YUV	91.0620, 29.0564, -79.8614
Hunter-Lab	41.3808, -16.4867, -16.1320

Details

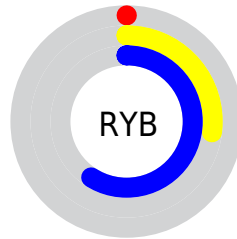
The XYZ color **12.9659, 17.1237, 31.4760** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **12.9051, 7.1385, 0.6985**, and the grayscale version is **9.9095, 10.4256, 11.3535**.

A 20% lighter version of the original color is **30.8569, 38.5783, 62.9468**, and **4.9060, 6.2086, 12.7442** is the 20% darker color. If you saturate the color by 10%, you get **12.9656, 17.1230, 31.4762**, and if you desaturate by 10%, it is **13.4742, 17.8472, 31.5892**.

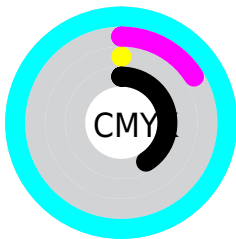
Distribution



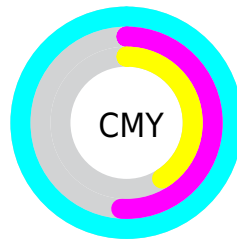
- Red (0%)
- Green (49%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9659, 17.1237, 31.4760 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 12.9659, 17.1237, 31.4760 by changing the saturation by 10% instead.

■ 12.9659, 17.1237,
31.4760

■ 12.9659, 17.1237,
31.4760

204.3410,
235.8842, 323.1441

■ 7.4819, 10.3227,
20.7001

■ 30.8443, 38.5383,
63.0770

■ 3.8143, 5.6135,
12.7158

■ 43.9695, 53.9208,
84.7393

■ 1.5976, 2.6115,
7.1047

■ 60.3724, 72.9325,
110.8673

■ 0.3908, 0.9324,
3.4483

■ 80.4185, 95.9579,
141.8797

■ 0.0000, 0.0000,
1.3278

■ 104.4730,
123.3814, 178.1951

■ 0.0000, 0.0000,
0.0844

■ 132.9014,

■ 0.0000, 0.0000,

155.5874, 220.2319

0.0000

166.0689,
192.9602, 268.4088

■ 12.9659, 17.1237,
31.4760

■ 12.9659, 17.1237,
31.4760

■ 12.9656, 17.1230,
31.4762

■ 13.4742, 17.8472,
31.5892

■ 14.1311, 18.6580,
31.7111

■ 15.0038, 19.5911,
31.8452

■ 16.1185, 20.6602,
31.9928

■ 17.4978, 21.8769,
32.1549

■ 19.1614, 23.2514,
32.3326

■ 21.1271, 24.7931,
32.5265

■ 23.4113, 26.5104,
32.7376

■ 26.0292, 28.4112,
32.9665

Harmonies

Analogous

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



11.8117, 17.1237, 23.0937



12.9659, 17.1237, 31.4760



15.0824, 17.1237, 36.9768

Triad

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



12.9659, 17.1237, 31.4760



21.8141, 17.1237, 22.3733



14.8738, 17.1237, 7.7604

Complementary

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



12.9659, 17.1237, 31.4760



12.9051, 7.1385, 0.6985

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.



17.5301, 17.1237, 7.6665



12.9659, 17.1237, 31.4760



21.7424, 17.1237, 14.8074

Square

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



12.9659, 17.1237, 31.4760



20.2917, 17.1237, 30.8253



20.1053, 17.1237, 9.8824



12.8277, 17.1237, 10.1882

Rectangle

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



12.9659, 17.1237, 31.4760



16.8449, 17.1237, 37.5060



20.1053, 17.1237, 9.8824



15.7192, 17.1237, 7.4834

Sweetspot

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



12.9665, 17.1243, 31.4764



37.0571, 43.5794, 57.3798



11.0567, 21.8731, 4.4249



7.9089, 9.4225, 12.6867



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.



12.9665, 17.1243, 31.4764



22.7747, 30.0051, 55.5125



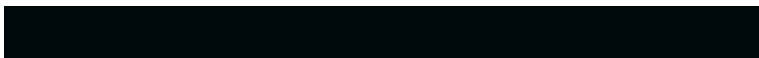
6.7566, 4.7047, 29.4065



5.8859, 6.4058, 7.3960



10.7726, 14.2399, 26.1118



0.1489, 0.2083, 0.3253

Inverse Universe

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



16.3441, 7.9911, 20.4202



28.7887, 14.0796, 35.7509



16.8999, 15.1281, 2.0301



5.9959, 5.8934, 7.0844



13.5646, 6.6309, 16.9859



0.1746, 0.0846, 0.2532

Previews

White Background



This preview shows how the XYZ color 12.9659, 17.1237, 31.4760 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 12.9659, 17.1237, 31.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

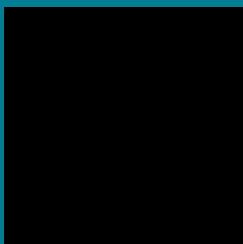
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

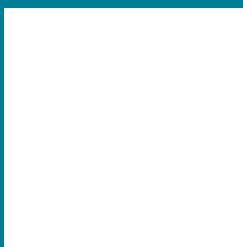
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9659, 17.1237, 31.4760

Background



This preview shows how black text looks on a background with the XYZ color 12.9659, 17.1237, 31.4760.



This preview shows how white text looks on a background with the XYZ color 12.9659, 17.1237,

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

12.9659, 17.1237, 31.4760

Protanopia

16.8972, 16.9215, 27.5749

Deuteranopia

17.3638, 17.0532, 32.5134



Tritanopia

12.1768, 17.0137, 26.6869

Trichromacy



Original Color

12.9659, 17.1237, 31.4760

Protanomaly

13.9667, 16.2357, 28.7832

Deuteranomaly

14.3927, 16.3821, 32.1093

Tritanomaly

12.4719, 17.1317, 28.2406

Monochromacy



Original Color

12.9659, 17.1237, 31.4760

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 12.9659, 17.1237, 31.4760 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 150) }
```

Border

The CSS property to change the border of an element to XYZ 12.9659, 17.1237, 31.4760 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, 150) }
```


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

```
.border{ border-color:rgb(0, 126, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9659, 17.1237, 31.4760 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, 150) }
```

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

```
.background{ background-color: rgb(0, 126,  
150) }
```

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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