

Converting Colors

XYZ(11.8599, 16.9774, 25.9646)

Have a look what the booklet for
XYZ(11.8599, 16.9774, 25.9646)
contains.

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Color

**XYZ(12.1631, 17.2159,
25.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	008088
RGB	0, 128, 136
RGB Percent	0%, 50%, 53%
CMY	0.9999, 0.4980, 0.4667
CMYK	1.00, 0.06, 0.00, 0.47
HSL	184°, 100%, 27%
HSV	184°, 100%, 53%
XYZ	12.1631, 17.2159, 25.9745
YIQ	90.6400, -78.8560, -24.6480

Conversions

Conversions Part 2

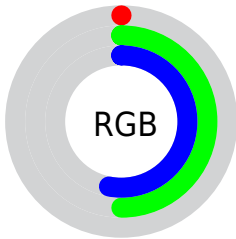
Format	Color
RYB	0, 66, 136
Decimal	32904
CIELab	48.53, -26.19, -12.78
CIELCh	49, 29.138, 206.012
Yxy	17.2159, 0.2197, 0.3110
Android (android.graphics.Color)	4278222984 (0xFF008088)
YUV	90.6400, 22.3625, -79.4913
Hunter-Lab	41.4920, -20.2851, -8.0718

Details

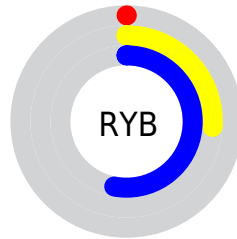
The XYZ color **12.1631, 17.2159, 25.9745** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.2406, 5.4084, 0.5047**, and the grayscale version is **9.8276, 10.3394, 11.2596**.

A 20% lighter version of the original color is **29.3653, 38.6067, 54.0482**, and **4.4041, 6.1207, 9.7534** is the 20% darker color. If you saturate the color by 10%, you get **12.1633, 17.2161, 25.9749**, and if you desaturate by 10%, it is **12.4434, 17.5163, 26.0180**.

Distribution



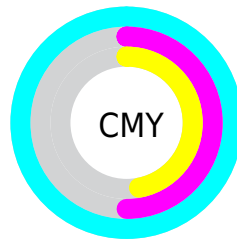
- Red (0%)
- Green (50%)
- Blue (53%)



- Red (0%)
- Yellow (26%)
- Blue (53%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (50%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1631, 17.2159, 25.9745 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 12.1631, 17.2159, 25.9745 by changing the saturation by 10% instead.

■ 12.1631, 17.2159,
25.9745

■ 12.1631, 17.2159,
25.9745

■ 199.2300,
236.4135, 296.2584

■ 6.9278, 10.3885,
16.5790

■ 29.4061, 38.6966,
54.2174

■ 3.4629, 5.6573,
9.7760

■ 42.1445, 54.1188,
73.9018

■ 1.4030, 2.6379,
5.1470

■ 58.1148, 73.1746,
97.8530

■ 0.2584, 0.9457,
2.2735

■ 77.6821, 96.2486,
126.4894

■ 0.0000, 0.0000,
0.7163

■ 101.2120,
123.7251, 160.2296

■ 0.0000, 0.0000,
0.0000

■ 129.0697,

155.9884, 199.4921

161.6206,
193.4231, 244.6955

■ 12.1631, 17.2159,
25.9745

■ 12.1631, 17.2159,
25.9745

■ 12.1633, 17.2161,
25.9749

■ 12.4434, 17.5163,
26.0180

■ 12.8316, 17.8731,
26.0665

■ 13.3874, 18.3177,
26.1230

■ 14.1314, 18.8604,
26.1885

■ 15.0808, 19.5103,
26.2639

■ 16.2511, 20.2753,
26.3499

■ 17.6563, 21.1626,
26.4471

■ 19.3093, 22.1789,
26.5561

■ 21.2218, 23.3303,
26.6776

Harmonies

Analogous

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



11.7506, 17.2159, 17.7396



12.1631, 17.2159, 25.9745



13.6535, 17.2159, 33.8004

Triad

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



12.1631, 17.2159, 25.9745



21.0082, 17.2159, 28.2423



16.7234, 17.2159, 7.5573

Complementary

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



12.1631, 17.2159, 25.9745



10.2406, 5.4084, 0.5047

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.



19.4095, 17.2159, 8.9934



12.1631, 17.2159, 25.9745



22.0480, 17.2159, 19.7881

Square

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



12.1631, 17.2159, 25.9745



18.7237, 17.2159, 35.3405



21.4335, 17.2159, 12.9996



14.2099, 17.2159, 8.3802

Rectangle

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



12.1631, 17.2159, 25.9745



15.1514, 17.2159, 36.9755



21.4335, 17.2159, 12.9996



17.6379, 17.2159, 7.7783

Sweetspot

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



12.1636, 17.2165, 25.9749



30.9374, 37.1834, 46.5949



8.8419, 17.6236, 3.1315



6.9453, 8.4737, 10.7759



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1636, 17.2165, 25.9749



21.3951, 30.2598, 45.7614



6.1243, 5.1378, 23.9618



5.1481, 5.6391, 6.4230



11.5143, 16.2990, 24.5848



0.0800, 0.1154, 0.1645

Inverse Universe

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



14.0501, 6.7933, 20.9934



24.7395, 11.9628, 36.8893



12.6567, 10.2406, 1.3101



5.2214, 5.1240, 6.2541



13.2987, 6.4296, 19.8752



0.0901, 0.0434, 0.1415

Previews

White Background



This preview shows how the XYZ color 12.1631, 17.2159, 25.9745 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 12.1631, 17.2159, 25.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

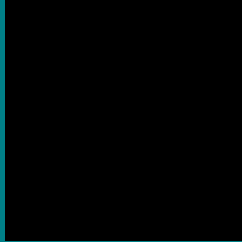
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1631, 17.2159, 25.9745

Background



This preview shows how black text looks on a background with the XYZ color 12.1631, 17.2159, 25.9745.



This preview shows how white text looks on a background with the XYZ color 12.1631, 17.2159,

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

12.1631, 17.2159, 25.9745

Protanopia

16.6581, 17.0776, 22.4970

Deuteranopia

17.3938, 17.0298, 26.7964



Tritanopia

12.4582, 17.3515, 26.7373

Trichromacy



Original Color

12.1631, 17.2159, 25.9745

Protanomaly

13.2986, 16.1831, 23.5418

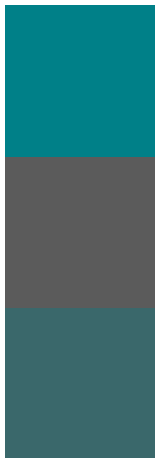
Deuteranomaly

13.8135, 16.2083, 26.4452

Tritanomaly

12.3347, 17.2961, 26.3553

Monochromacy



Original Color

12.1631, 17.2159, 25.9745

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3491, 11.8617, 15.7067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1631, 17.2159, 25.9745 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, 128, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 136)  
}
```

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, 128, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.1631, 17.2159, 25.9745 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, 128, 136) }
```


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

```
.border{ border-color:rgb(0, 128, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1631, 17.2159, 25.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 136) }
```

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

```
.background{ background-color: rgb(0, 128,  
136) }
```

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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