

Converting Colors

XYZ(1.4149, 11.8092, 25.6475)

Have a look what the booklet for
XYZ(1.4149, 11.8092, 25.6475)
contains.

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Color

**XYZ(12.2942, 17.4781,
26.0182)**

Conversions

Conversions Part 1

Format	Color
Hex	008188
RGB	0, 129, 136
RGB Percent	0%, 51%, 53%
CMY	0.9999, 0.4941, 0.4667
CMYK	1.00, 0.05, 0.00, 0.47
HSL	183°, 100%, 27%
HSV	183°, 100%, 53%
XYZ	12.2942, 17.4781, 26.0182
YIQ	91.2270, -79.1310, -25.1710

Conversions

Conversions Part 2

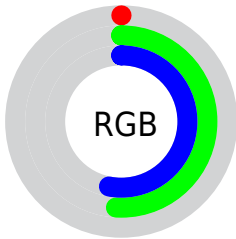
Format	Color
RYB	0, 66, 136
Decimal	33160
CIELab	48.86, -26.69, -12.29
CIELCh	49, 29.382, 204.719
Yxy	17.4781, 0.2204, 0.3133
Android (android.graphics.Color)	4278223240 (0xFF008188)
YUV	91.2270, 22.0731, -80.0061
Hunter-Lab	41.8068, -20.6701, -7.6340

Details

The XYZ color **12.2942, 17.4781, 26.0182** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.2298, 5.3867, 0.5011**, and the grayscale version is **9.9613, 10.4800, 11.4128**.

A 20% lighter version of the original color is **29.5694, 39.0148, 54.1163**, and **4.4757, 6.2639, 9.7772** is the 20% darker color. If you saturate the color by 10%, you get **12.2944, 17.4784, 26.0186**, and if you desaturate by 10%, it is **12.5623, 17.7540, 26.0577**.

Distribution



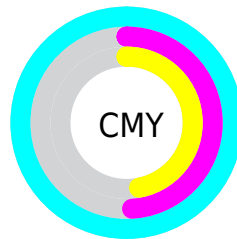
- Red (0%)
- Green (51%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (49%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2942, 17.4781, 26.0182 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 12.2942, 17.4781, 26.0182 by changing the saturation by 10% instead.

12.2942, 17.4781,
26.0182

12.2942, 17.4781,
26.0182

200.0737,
237.9127, 296.4797

7.0180, 10.5759,
16.6114

29.6420, 39.1460,
54.2888

3.5198, 5.7825,
9.7988

42.4444, 54.6805,
73.9895

1.4342, 2.7133,
5.1619

58.4861, 73.8613,
97.9588

0.2804, 0.9839,
2.2822

78.1327, 97.0727,
126.6149

0.0000, 0.0000,
0.7212

101.7494,
124.6991, 160.3765

0.0000, 0.0000,
0.0000

129.7015,

157.1250, 199.6622

162.3545,
194.7347, 244.8904

■ 12.2942, 17.4781,
26.0182

■ 12.2942, 17.4781,
26.0182

■ 12.2944, 17.4784,
26.0186

■ 12.5623, 17.7540,
26.0577

■ 12.9380, 18.0860,
26.1019

■ 13.4812, 18.5053,
26.1542

■ 14.2123, 19.0224,
26.2155

■ 15.1487, 19.6462,
26.2866

■ 16.3059, 20.3848,
26.3681

■ 17.6977, 21.2454,
26.4609

■ 19.3370, 22.2344,
26.5654

■ 21.2358, 23.3582,
26.6822

Harmonies

Analogous

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



11.9235, 17.4781, 17.6831



12.2942, 17.4781, 26.0182



13.7670, 17.4781, 34.0910

Triad

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



12.2942, 17.4781, 26.0182



21.2657, 17.4781, 29.0766



17.0992, 17.4781, 7.6606

Complementary

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



12.2942, 17.4781, 26.0182



10.2298, 5.3867, 0.5011

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.



19.8252, 17.4781, 9.2237



12.2942, 17.4781, 26.0182



22.3930, 17.4781, 20.4450

Square

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



12.2942, 17.4781, 26.0182



18.9004, 17.4781, 36.1684



21.8391, 17.4781, 13.4217



14.5169, 17.4781, 8.3977

Rectangle

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



12.2942, 17.4781, 26.0182



15.2698, 17.4781, 37.4792



21.8391, 17.4781, 13.4217



18.0315, 17.4781, 7.9178

Sweetspot

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



12.2947, 17.4787, 26.0186



31.0118, 37.3324, 46.6197



8.8419, 17.6236, 3.1315



6.9646, 8.5122, 10.7823



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.



12.2947, 17.4787, 26.0186



21.6308, 30.7312, 45.8400



6.1243, 5.1378, 23.9618



5.1512, 5.6453, 6.4240



11.6382, 16.5467, 24.6261



0.0804, 0.1162, 0.1646

Inverse Universe

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



14.1163, 6.8198, 21.3419



24.8584, 12.0104, 37.5158



12.6567, 10.2406, 1.3101



5.2229, 5.1246, 6.2624



13.3612, 6.4546, 20.2043



0.0903, 0.0435, 0.1426

Previews

White Background



This preview shows how the XYZ color 12.2942, 17.4781, 26.0182 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 12.2942, 17.4781, 26.0182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

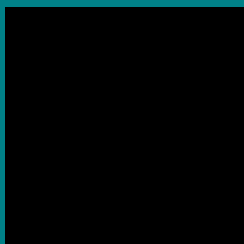
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2942, 17.4781, 26.0182

Background



This preview shows how black text looks on a background with the XYZ color 12.2942, 17.4781, 26.0182.

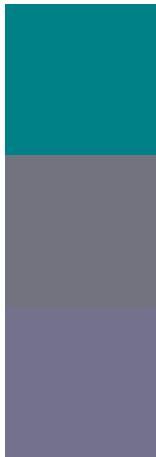


This preview shows how white text looks on a background with the XYZ color 12.2942, 17.4781,

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

12.2942, 17.4781, 26.0182

Protanopia

16.9009, 17.3712, 22.5409

Deuteranopia

17.7090, 17.3485, 27.2262



Tritanopia

12.6916, 17.6580, 27.1655

Trichromacy



Original Color

12.2942, 17.4781, 26.0182

Protanomaly

13.4934, 16.4611, 23.5852

Deuteranomaly

14.0047, 16.4742, 26.8678

Tritanomaly

12.5504, 17.5936, 26.7792

Monochromacy



Original Color

12.2942, 17.4781, 26.0182

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.4503, 12.0642, 15.7405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2942, 17.4781, 26.0182 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, 129, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 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, 129, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.2942, 17.4781, 26.0182 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, 129, 136) }
```


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

```
.border{ border-color:rgb(0, 129, 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, 129, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2942, 17.4781, 26.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 136) }
```

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

```
.background{ background-color: rgb(0, 129,  
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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