

Converting Colors

XYZ(12.2930, 17.5719, 25.7209)

Have a look what the booklet for
XYZ(12.2930, 17.5719, 25.7209)
contains.

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Color

**XYZ(12.2234, 17.4498,
25.6456)**

Conversions

Conversions Part 1

Format	Color
Hex	008187
RGB	0, 129, 135
RGB Percent	0%, 51%, 53%
CMY	0.9999, 0.4941, 0.4706
CMYK	1.00, 0.04, 0.00, 0.47
HSL	183°, 100%, 26%
HSV	183°, 100%, 53%
XYZ	12.2234, 17.4498, 25.6456
YIQ	91.1130, -78.8100, -25.4820

Conversions

Conversions Part 2

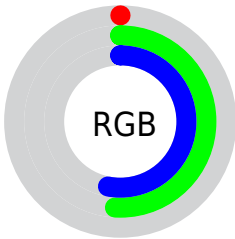
Format	Color
RYB	0, 66, 135
Decimal	33159
CIELab	48.82, -27.02, -11.75
CIELCh	49, 29.469, 203.502
Yxy	17.4498, 0.2210, 0.3154
Android (android.graphics.Color)	4278223239 (0xFF008187)
YUV	91.1130, 21.6363, -79.9061
Hunter-Lab	41.7730, -20.8709, -7.1587

Details

The XYZ color **12.2234, 17.4498, 25.6456** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0572, 5.2815, 0.4898**, and the grayscale version is **9.9360, 10.4534, 11.3837**.

A 20% lighter version of the original color is **29.4612, 38.9716, 53.5464**, and **4.4357, 6.2478, 9.5665** is the 20% darker color. If you saturate the color by 10%, you get **12.2237, 17.4502, 25.6460**, and if you desaturate by 10%, it is **12.4767, 17.6984, 25.6806**.

Distribution



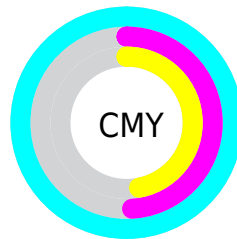
- Red (0%)
- Green (51%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2234, 17.4498, 25.6456 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 12.2234, 17.4498, 25.6456 by changing the saturation by 10% instead.

■ 12.2234, 17.4498,
25.6456

■ 12.2234, 17.4498,
25.6456

■ 199.6185,
237.7513, 294.5879

■ 6.9693, 10.5557,
16.3353

■ 29.5147, 39.0975,
53.6797

■ 3.4891, 5.7689,
9.6048

■ 42.2825, 54.6200,
73.2406

■ 1.4174, 2.7051,
5.0356

■ 58.2857, 73.7873,
97.0555

■ 0.2685, 0.9798,
2.2090

■ 77.8896, 96.9839,
125.5428

■ 0.0000, 0.0000,
0.6796

■ 101.4594,
124.5942, 159.1212

■ 0.0000, 0.0000,
0.0000

■ 129.3606,

157.0026, 198.2091

161.9585,
194.5935, 243.2252

■ 12.2234, 17.4498,
25.6456

■ 12.2234, 17.4498,
25.6456

■ 12.2237, 17.4502,
25.6460

■ 12.4767, 17.6984,
25.6806

■ 12.8351, 18.0015,
25.7202

■ 13.3582, 18.3902,
25.7676

■ 14.0657, 18.8747,
25.8239

■ 14.9749, 19.4639,
25.8897

■ 16.1009, 20.1655,
25.9657

■ 17.4575, 20.9866,
26.0527

■ 19.0571, 21.9338,
26.1512

■ 20.9114, 23.0130,
26.2618

Harmonies

Analogous

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



11.8986, 17.4498, 17.3491



12.2234, 17.4498, 25.6456



13.6558, 17.4498, 33.8237

Triad

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



12.2234, 17.4498, 25.6456



21.1720, 17.4498, 29.4148



17.1866, 17.4498, 7.6374

Complementary

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



12.2234, 17.4498, 25.6456



10.0572, 5.2815, 0.4898

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.



19.9069, 17.4498, 9.2979



12.2234, 17.4498, 25.6456



22.3652, 17.4498, 20.7521

Square

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



12.2234, 17.4498, 25.6456



18.7675, 17.4498, 36.3842



21.8786, 17.4498, 13.6145



14.5796, 17.4498, 8.2811

Rectangle

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



12.2234, 17.4498, 25.6456



15.1394, 17.4498, 37.3611



21.8786, 17.4498, 13.6145



18.1209, 17.4498, 7.9254

Sweetspot

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



12.2239, 17.4504, 25.6460



31.0832, 37.4751, 46.6435



8.6890, 17.3382, 3.0183



6.9830, 8.5491, 10.7884



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.



12.2239, 17.4504, 25.6460



21.8583, 31.1862, 45.9158



6.1514, 5.3053, 23.6218



4.7844, 5.2444, 5.9609



11.2742, 16.0962, 23.6494



0.0404, 0.0585, 0.0824

Inverse Universe

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



13.9546, 6.7363, 21.3343



24.9733, 12.0563, 38.1205



12.3097, 9.7866, 1.2406



4.8492, 4.7594, 5.8182



12.8688, 6.2119, 19.6793



0.0453, 0.0218, 0.0718

Previews

White Background



This preview shows how the XYZ color 12.2234, 17.4498, 25.6456 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 12.2234, 17.4498, 25.6456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

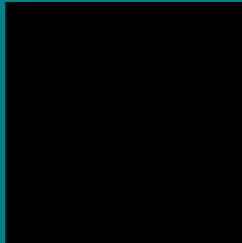
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2234, 17.4498, 25.6456

Background



This preview shows how black text looks on a background with the XYZ color 12.2234, 17.4498, 25.6456.



This preview shows how white text looks on a background with the XYZ color 12.2234, 17.4498,

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

12.2234, 17.4498, 25.6456

Protanopia

16.9669, 17.4127, 22.2054

Deuteranopia

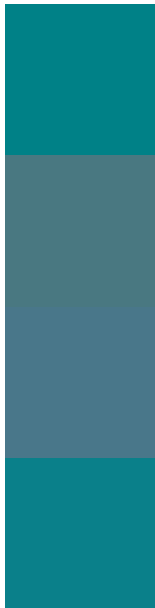
17.6356, 17.3192, 26.8395



Tritanopia

12.5931, 17.4126, 27.1233

Trichromacy



Original Color

12.2234, 17.4498, 25.6456

Protanomaly

13.4266, 16.4344, 23.2334

Deuteranomaly

13.9319, 16.4451, 26.4847

Tritanomaly

12.4318, 17.3379, 26.7361

Monochromacy



Original Color

12.2234, 17.4498, 25.6456

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 12.2234, 17.4498, 25.6456 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 135) }
```

Border

The CSS property to change the border of an element to XYZ 12.2234, 17.4498, 25.6456 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, 135) }
```


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

```
.border{ border-color:rgb(0, 129, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2234, 17.4498, 25.6456 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, 135) }
```

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

```
.background{ background-color: rgb(0, 129,  
135) }
```

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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