

Converting Colors

XYZ(12.5383, 18.3470, 24.9262)

Have a look what the booklet for
XYZ(12.5383, 18.3470, 24.9262)
contains.

XYZ(12.6212, 18.4685, 25.0899)	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(12.6212, 18.4685,
25.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	008585
RGB	0, 133, 133
RGB Percent	0%, 52%, 52%
CMY	0.9999, 0.4784, 0.4784
CMYK	1.00, 0.00, 0.00, 0.48
HSL	180°, 100%, 26%
HSV	180°, 100%, 52%
XYZ	12.6212, 18.4685, 25.0899
YIQ	93.2330, -79.2680, -28.1960

Conversions

Conversions Part 2

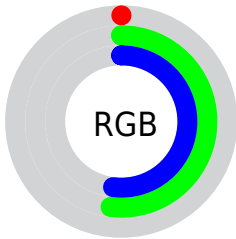
Format	Color
RYB	0, 67, 133
Decimal	34181
CIELab	50.06, -29.65, -8.72
CIELCh	50, 30.906, 196.387
Yxy	18.4685, 0.2247, 0.3287
Android (android.graphics.Color)	4278224261 (0xFF008585)
YUV	93.2330, 19.6051, -81.7653
Hunter-Lab	42.9750, -22.7831, -4.5325

Details

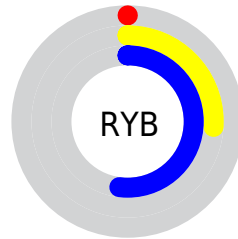
The XYZ color **12.6212, 18.4685, 25.0899** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6735, 4.9872, 0.4534**, and the grayscale version is **10.4295, 10.9726, 11.9492**.

A 20% lighter version of the original color is **30.2894, 40.9706, 52.7661**, and **4.6935, 6.8266, 9.4578** is the 20% darker color. If you saturate the color by 10%, you get **12.6215, 18.4690, 25.0903**, and if you desaturate by 10%, it is **12.7923, 18.5571, 25.0984**.

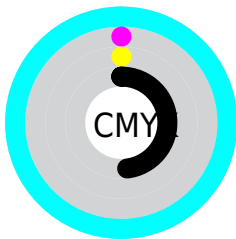
Distribution



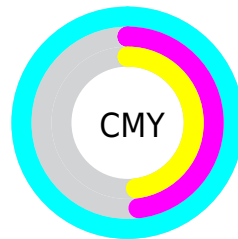
- Red (0%)
- Green (52%)
- Blue (52%)



- Red (0%)
- Yellow (26%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6212, 18.4685, 25.0899 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 12.6212, 18.4685, 25.0899 by changing the saturation by 10% instead.

■ 12.6212, 18.4685,
25.0899

■ 12.6212, 18.4685,
25.0899

202.1626,
243.4986, 291.7473

■ 7.2434, 11.2869,
15.9244

■ 30.2287, 40.8340,
52.7690

■ 3.6625, 6.2601,
9.3169

■ 43.1891, 56.7867,
72.1196

■ 1.5130, 3.0039,
4.8488

■ 59.4078, 76.4319,
95.7024

■ 0.3347, 1.1338,
2.1017

■ 79.2501, 100.1539,
123.9359

■ 0.0000, 0.0066,
0.6168

■ 103.0814,
128.3372, 157.2386

■ 0.0000, 0.0000,
0.0000

■ 131.2670,

161.3662, 196.0290

164.1723,
199.6252, 240.7258

■ 12.6212, 18.4685,
25.0899

■ 12.6212, 18.4685,
25.0899

■ 12.6215, 18.4690,
25.0903

■ 12.7923, 18.5571,
25.0984

■ 13.0636, 18.6969,
25.1111

■ 13.4936, 18.9186,
25.1312

■ 14.1014, 19.2320,
25.1597

■ 14.9037, 19.6455,
25.1973

■ 15.9148, 20.1668,
25.2446

■ 17.1482, 20.8026,
25.3024

■ 18.6158, 21.5592,
25.3711

■ 20.3290, 22.4424,
25.4513

Harmonies

Analogous

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



12.5638, 18.4685, 16.4969



12.6212, 18.4685, 25.0899



13.8988, 18.4685, 34.4422

Triad

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



12.6212, 18.4685, 25.0899



22.0259, 18.4685, 33.6464



18.9338, 18.4685, 8.0260

Complementary

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



12.6212, 18.4685, 25.0899



9.6735, 4.9872, 0.4534

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.



21.7991, 18.4685, 10.4330



12.6212, 18.4685, 25.0899



23.7158, 18.4685, 24.2134

Square

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



12.6212, 18.4685, 25.0899



19.2162, 18.4685, 40.2575



23.6284, 18.4685, 15.8353



15.9901, 18.4685, 8.1377

Rectangle

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



12.6212, 18.4685, 25.0899



15.3623, 18.4685, 39.1469



23.6284, 18.4685, 15.8353



19.9443, 18.4685, 8.5299

Sweetspot

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



12.6218, 18.4692, 25.0903



30.5405, 37.1659, 45.3023



8.4159, 16.7901, 2.7979



6.6944, 8.2772, 10.1975



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.6218, 18.4692, 25.0903



22.6019, 33.0734, 44.9304



6.3455, 5.9165, 22.9985



4.8016, 5.2789, 5.9666



12.0219, 17.5916, 23.8983



0.0416, 0.0609, 0.0828

Inverse Universe

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



9.6735, 4.9872, 0.4534



17.3222, 8.9299, 0.8107



11.5234, 8.6869, 1.0700



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 12.6212, 18.4685, 25.0899 looks on a white 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

Black Background



This preview shows how the XYZ color 12.6212, 18.4685, 25.0899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

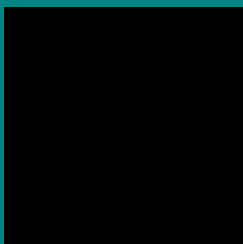
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

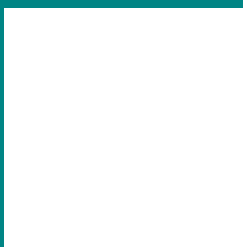
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6212, 18.4685, 25.0899

Background



This preview shows how black text looks on a background with the XYZ color 12.6212, 18.4685, 25.0899.

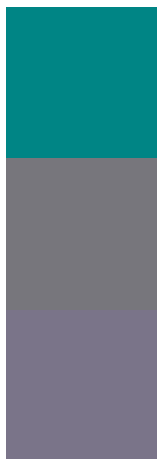


This preview shows how white text looks on a background with the XYZ color 12.6212, 18.4685,

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

12.6212, 18.4685, 25.0899

Protanopia

17.7243, 18.3340, 21.6734

Deuteranopia

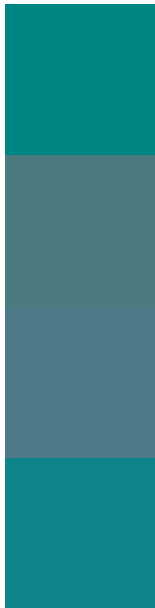
18.7868, 18.4345, 26.2350



Tritanopia

13.5104, 18.6497, 28.4789

Trichromacy



Original Color

12.6212, 18.4685, 25.0899

Protanomaly

13.8942, 17.2347, 22.6730

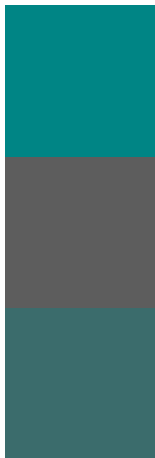
Deuteranomaly

14.5454, 17.3163, 25.8683

Tritanomaly

13.1085, 18.4682, 27.2999

Monochromacy



Original Color

12.6212, 18.4685, 25.0899

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8730, 12.7376, 16.1256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6212, 18.4685, 25.0899 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, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 133)  
}
```

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, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 133) }
```

Border

The CSS property to change the border of an element to XYZ 12.6212, 18.4685, 25.0899 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, 133, 133) }
```


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

```
.border{ border-color:rgb(0, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6212, 18.4685, 25.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 133) }
```

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

```
.background{ background-color: rgb(0, 133,  
133) }
```

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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