

Converting Colors

XYZ(12.5900, 18.1203, 26.1302)

Have a look what the booklet for
XYZ(12.5900, 18.1203, 26.1302)
contains.

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Color

**XYZ(12.5602, 18.0102,
26.1069)**

Conversions

Conversions Part 1

Format	Color
Hex	008388
RGB	0, 131, 136
RGB Percent	0%, 51%, 53%
CMY	0.9999, 0.4863, 0.4667
CMYK	1.00, 0.04, 0.00, 0.47
HSL	182°, 100%, 27%
HSV	182°, 100%, 53%
XYZ	12.5602, 18.0102, 26.1069
YIQ	92.4010, -79.6810, -26.2170

Conversions

Conversions Part 2

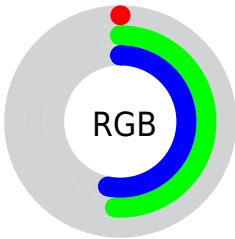
Format	Color
RYB	0, 67, 136
Decimal	33672
CIELab	49.51, -27.69, -11.30
CIELCh	50, 29.906, 202.209
Yxy	18.0102, 0.2216, 0.3178
Android (android.graphics.Color)	4278223752 (0xFF008388)
YUV	92.4010, 21.4943, -81.0357
Hunter-Lab	42.4384, -21.4379, -6.7666

Details

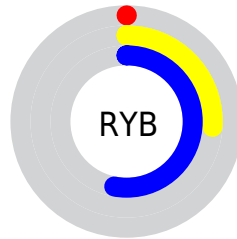
The XYZ color **12.5602, 18.0102, 26.1069** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.2080, 5.3432, 0.4937**, and the grayscale version is **10.2314, 10.7643, 11.7223**.

A 20% lighter version of the original color is **29.9820, 39.8399, 54.2538**, and **4.6221, 6.5567, 9.8261** is the 20% darker color. If you saturate the color by 10%, you get **12.5605, 18.0106, 26.1073**, and if you desaturate by 10%, it is **12.8031, 18.2357, 26.1380**.

Distribution



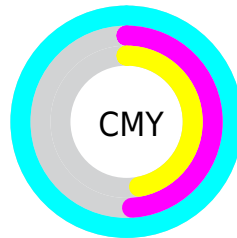
- Red (0%)
- Green (51%)
- Blue (53%)



- 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 12.5602, 18.0102, 26.1069 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 12.5602, 18.0102, 26.1069 by changing the saturation by 10% instead.

12.5602, 18.0102,
26.1069

12.5602, 18.0102,
26.1069

201.7746,
240.9285, 296.9286

7.2013, 10.9573,
16.6771

30.1195, 40.0547,
54.4336

3.6358, 6.0381,
9.8451

43.0505, 55.8151,
74.1675

1.4982, 2.8683,
5.1921

59.2364, 75.2468,
98.1733

0.3246, 1.0634,
2.2997

79.0423, 98.7342,
126.8695

0.0000, 0.0000,
0.7310

102.8338,
126.6617, 160.6746

0.0000, 0.0000,
0.0000

130.9761,

159.4136, 200.0071

163.8346,
197.3744, 245.2856

■ 12.5602, 18.0102,
26.1069

■ 12.5602, 18.0102,
26.1069

■ 12.5605, 18.0106,
26.1073

■ 12.8031, 18.2357,
26.1380

■ 13.1532, 18.5166,
26.1737

■ 13.6705, 18.8842,
26.2174

■ 14.3754, 19.3489,
26.2700

■ 15.2853, 19.9198,
26.3322

■ 16.4155, 20.6049,
26.4049

■ 17.7802, 21.4112,
26.4886

■ 19.3920, 22.3454,
26.5839

■ 21.2629, 23.4137,
26.6915

Harmonies

Analogous

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



12.2750, 18.0102, 17.5733



12.5602, 18.0102, 26.1069



13.9968, 18.0102, 34.6753

Triad

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



12.5602, 18.0102, 26.1069



21.7862, 18.0102, 30.7881



17.8661, 18.0102, 7.8714

Complementary

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



12.5602, 18.0102, 26.1069



10.2080, 5.3432, 0.4937

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.



20.6721, 18.0102, 9.6963



12.5602, 18.0102, 26.1069



23.0923, 18.0102, 21.7984

Square

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



12.5602, 18.0102, 26.1069



19.2574, 18.0102, 37.8557



22.6636, 18.0102, 14.2918



15.1435, 18.0102, 8.4349

Rectangle

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



12.5602, 18.0102, 26.1069



15.5094, 18.0102, 38.4960



22.6636, 18.0102, 14.2918



18.8344, 18.0102, 8.2031

Sweetspot

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



12.5608, 18.0109, 26.1073



31.1614, 37.6316, 46.6696



8.8294, 17.6186, 3.0659



7.0033, 8.5896, 10.7952



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.



12.5608, 18.0109, 26.1073



22.1094, 31.6883, 45.9995



6.2481, 5.3855, 24.0031



5.1573, 5.6576, 6.4261



11.8895, 17.0493, 24.7099



0.0813, 0.1178, 0.1649

Inverse Universe

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



14.2505, 6.8734, 22.0491



25.1000, 12.1070, 38.7879



12.5060, 9.9392, 1.2597



5.2260, 5.1259, 6.2788



13.4881, 6.5053, 20.8723



0.0908, 0.0437, 0.1447

Previews

White Background



This preview shows how the XYZ color 12.5602, 18.0102, 26.1069 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 12.5602, 18.0102, 26.1069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

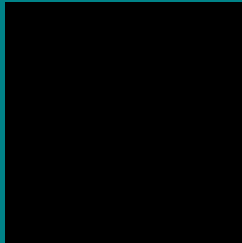
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.5602, 18.0102, 26.1069

Background



This preview shows how black text looks on a background with the XYZ color 12.5602, 18.0102, 26.1069.



This preview shows how white text looks on a background with the XYZ color 12.5602, 18.0102,

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

12.5602, 18.0102, 26.1069

Protanopia

17.5282, 18.0368, 22.6363

Deuteranopia

18.3356, 18.0065, 27.3201



Tritanopia

13.0398, 18.0169, 27.9897

Trichromacy



Original Color

12.5602, 18.0102, 26.1069

Protanomaly

13.8128, 16.9866, 23.6698

Deuteranomaly

14.3992, 17.0347, 26.9552

Tritanomaly

12.7808, 17.9005, 27.2076

Monochromacy



Original Color

12.5602, 18.0102, 26.1069

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.6644, 12.3206, 16.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5602, 18.0102, 26.1069 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, 131, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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, 131, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.5602, 18.0102, 26.1069 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, 131, 136) }
```


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

```
.border{ border-color:rgb(0, 131, 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, 131, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5602, 18.0102, 26.1069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 136) }
```

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

```
.background{ background-color: rgb(0, 131,  
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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