

Converting Colors

XYZ(18.7466, 26.7938, 35.9500)

Have a look what the booklet for
XYZ(18.7466, 26.7938, 35.9500)
contains.

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Color

**XYZ(18.8025, 26.8883,
36.0973)**

Conversions

Conversions Part 1

Format	Color
Hex	229D9D
RGB	34, 157, 157
RGB Percent	13%, 62%, 62%
CMY	0.8666, 0.3843, 0.3843
CMYK	0.78, 0.00, 0.00, 0.38
HSL	180°, 64%, 37%
HSV	180°, 78%, 62%
XYZ	18.8025, 26.8883, 36.0973
YIQ	120.2230, -73.3080, -26.0760

Conversions

Conversions Part 2

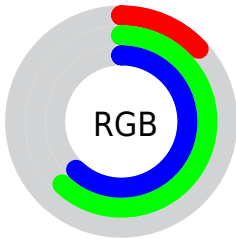
Format	Color
RYB	34, 96, 157
Decimal	2268573
CIELab	58.87, -31.38, -9.33
CIELCh	59, 32.740, 196.563
Yxy	26.8883, 0.2299, 0.3288
Android (android.graphics.Color)	4280458653 (0xFF229D9D)
YUV	120.2230, 18.1311, -75.6176
Hunter-Lab	51.8539, -26.0194, -4.9761

Details

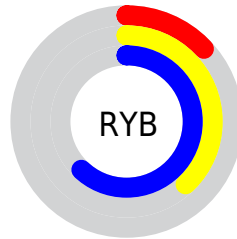
The XYZ color **18.8025, 26.8883, 36.0973** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7663, 8.4286, 2.3629**, and the grayscale version is **17.8859, 18.8174, 20.4921**.

A 20% lighter version of the original color is **40.8949, 54.6737, 70.0257**, and **7.6531, 11.1438, 15.3833** is the 20% darker color. If you saturate the color by 10%, you get **18.3985, 26.6806, 36.0790**, and if you desaturate by 10%, it is **19.4445, 27.2198, 36.1280**.

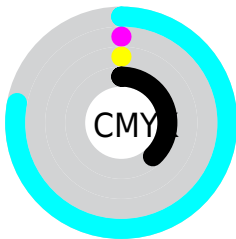
Distribution



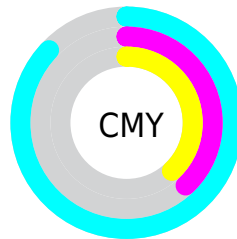
- Red (13%)
- Green (62%)
- Blue (62%)



- Red (13%)
- Yellow (38%)
- Blue (62%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (87%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8025, 26.8883, 36.0973 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 18.8025, 26.8883, 36.0973 by changing the saturation by 10% instead.

■ 18.8025, 26.8883,
36.0973

■ 18.8025, 26.8883,
36.0973

■ 238.3154,
287.1159, 344.4359

■ 11.6308, 17.4893,
24.2191

■ 40.9196, 54.7046,
70.3530

■ 6.5632, 10.5840,
15.2825

■ 56.5956, 73.8907,
93.5675

■ 3.2344, 5.7879,
8.8691

■ 75.8372, 97.1080,
121.3978

■ 1.2789, 2.7165,
4.5602

■ 99.0097, 124.7408,
154.2625

■ 0.1673, 0.9856,
1.9374

■ 126.4784,
157.1737, 192.5801

■ 0.0000, 0.0000,
0.5164

■ 158.6087,

■ 0.0000, 0.0000,

194.7908, 236.7692

0.0000

195.7659,
237.9768, 287.2483

■ 18.8025, 26.8883,
36.0973

■ 18.8025, 26.8883,
36.0973

■ 18.3985, 26.6806,
36.0790

■ 19.4445, 27.2198,
36.1280

■ 18.1759, 26.5659,
36.0685

■ 20.3506, 27.6870,
36.1705

■ 18.1432, 26.5490,
36.0669

■ 21.5463, 28.3033,
36.2265

■ 23.0531, 29.0801,
36.2970

■ 24.8908, 30.0275,
36.3831

■ 27.0775, 31.1548,
36.4855

■ 29.6298, 32.4705,
36.6050

■ 32.5634, 33.9829,
36.7423

■ 35.8930, 35.6994,
36.8982

Harmonies

Analogous

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



18.7131, 26.8883, 24.3994



18.8025, 26.8883, 36.0973



20.5729, 26.8883, 48.6142

Triad

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



18.8025, 26.8883, 36.0973



31.6308, 26.8883, 47.4192



27.4069, 26.8883, 12.5156

Complementary

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



18.8025, 26.8883, 36.0973



14.7663, 8.4286, 2.3629

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.



31.2862, 26.8883, 15.8974



18.8025, 26.8883, 36.0973



33.8929, 26.8883, 34.7644

Square

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



18.8025, 26.8883, 36.0973



27.8386, 26.8883, 56.2402



33.7605, 26.8883, 23.3746



23.4027, 26.8883, 12.6949

Rectangle

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



18.8025, 26.8883, 36.0973



22.5860, 26.8883, 54.8403



33.7605, 26.8883, 23.3746



28.7768, 26.8883, 13.2255

Sweetspot

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



18.8033, 26.8893, 36.0979



46.0172, 54.5179, 65.2241



13.0759, 24.6064, 5.5746



9.8535, 11.8560, 14.3394



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.8033, 26.8893, 36.0979



32.6468, 47.6252, 64.5978



11.0724, 11.4273, 33.5214



6.8219, 7.5095, 8.4966



14.7352, 21.5620, 29.2921



0.2635, 0.3855, 0.5238

Inverse Universe

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



14.7663, 8.4286, 2.3629



25.1041, 13.1333, 1.5675



18.1485, 15.1931, 3.4903



6.6331, 6.6462, 6.9189



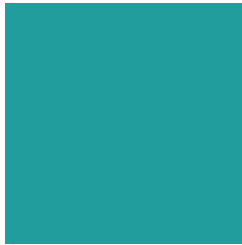
11.2931, 5.8218, 0.5285



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 18.8025, 26.8883, 36.0973 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 18.8025, 26.8883, 36.0973 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

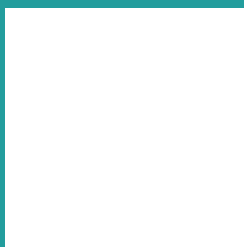
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8025, 26.8883, 36.0973

Background



This preview shows how black text looks on a background with the XYZ color 18.8025, 26.8883, 36.0973.

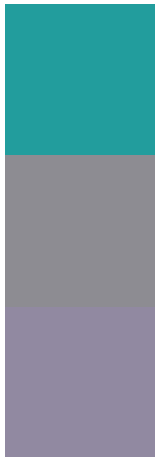


This preview shows how white text looks on a background with the XYZ color 18.8025, 26.8883,

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

18.8025, 26.8883, 36.0973

Protanopia

25.5509, 26.4942, 30.9613

Deuteranopia

27.0557, 26.4843, 37.4042



Tritanopia

19.7855, 26.7834, 41.1727

Trichromacy



Original Color

18.8025, 26.8883, 36.0973

Protanomaly

21.2634, 25.5846, 32.6718

Deuteranomaly

22.1441, 25.4878, 37.0102

Tritanomaly

19.4644, 26.9084, 39.2899

Monochromacy



Original Color

18.8025, 26.8883, 36.0973

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7410, 20.5924, 25.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8025, 26.8883, 36.0973 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(34, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(34, 157, 157)  
}
```

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(34, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.8025, 26.8883, 36.0973 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(34, 157, 157) }
```


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

```
.border{ border-color:rgb(34, 157, 157) }
```

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

Here you see how a box with a 4 pixel rgb(34, 157, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(34, 157,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8025, 26.8883, 36.0973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 157, 157) }
```

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

```
.background{ background-color: rgb(34, 157,  
157) }
```

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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