

Converting Colors

XYZ(16.9444, 24.8447, 26.5818)

Have a look what the booklet for
XYZ(16.9444, 24.8447, 26.5818)
contains.

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Color

**XYZ(16.9475, 24.9078,
26.4687)**

Conversions

Conversions Part 1

Format	Color
Hex	349886
RGB	52, 152, 134
RGB Percent	20%, 60%, 53%
CMY	0.7961, 0.4039, 0.4745
CMYK	0.66, 0.00, 0.12, 0.40
HSL	169°, 49%, 40%
HSV	169°, 66%, 60%
XYZ	16.9475, 24.9078, 26.4687
YIQ	120.0480, -53.8220, -26.7980

Conversions

Conversions Part 2

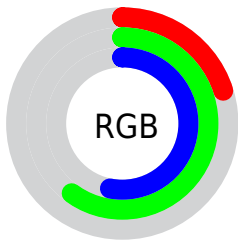
Format	Color
RYB	52, 107, 152
Decimal	3446918
CIELab	56.99, -33.17, 1.02
CIElCh	57, 33.185, 178.245
Yxy	24.9078, 0.2480, 0.3646
Android (android.graphics.Color)	4281636998 (0xFF349886)
YUV	120.0480, 6.8783, -59.6781
Hunter-Lab	49.9077, -26.7240, 3.4908

Details

The XYZ color **16.9475, 24.9078, 26.4687** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.2832, 9.5743, 6.8378**, and the grayscale version is **17.8597, 18.7898, 20.4621**.

A 20% lighter version of the original color is **37.8380, 51.5930, 54.9779**, and **6.1969, 9.7702, 10.1536** is the 20% darker color. If you saturate the color by 10%, you get **16.0993, 24.4929, 25.4460**, and if you desaturate by 10%, it is **18.0540, 25.4565, 27.5303**.

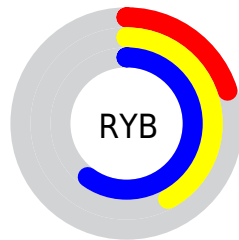
Distribution



Red (20%)

Green (60%)

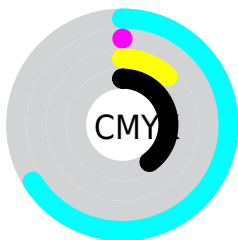
Blue (53%)



Red (20%)

Yellow (42%)

Blue (60%)

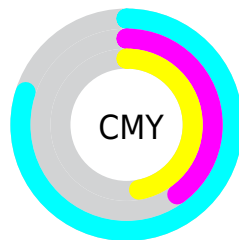


Cyan (66%)

Magenta (0%)

Yellow (12%)

Black (40%)



Cyan (80%)

Magenta (40%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9475, 24.9078, 26.4687 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 16.9475, 24.9078, 26.4687 by changing the saturation by 10% instead.

■ 16.9475, 24.9078,
26.4687

■ 16.9475, 24.9078,
26.4687

228.0318,
277.3785, 298.7537

■ 10.2921, 16.0084,
16.9457

■ 37.7798, 51.5076,
55.0234

■ 5.6568, 9.5301,
10.0342

■ 52.6875, 69.9768,
74.8923

■ 2.6762, 5.0885,
5.3158

■ 71.0766, 92.4047,
99.0468

■ 0.9849, 2.2993,
2.3717

■ 93.3125, 119.1756,
127.9056

■ 0.0000, 0.7733,
0.7710

■ 119.7607,
150.6741, 161.8871

■ 0.0000, 0.0000,
0.0000

150.7864,

187.2845, 201.4099

186.7550,
229.3911, 246.8926

■ 16.9475, 24.9078,
26.4687

■ 16.9475, 24.9078,
26.4687

■ 16.0993, 24.4929,
25.4460

■ 18.0540, 25.4565,
27.5303

■ 15.4820, 24.1959,
24.4592

■ 19.4385, 26.1473,
28.6304

■ 15.0613, 23.9996,
23.5070

■ 21.1214, 26.9914,
29.7706

■ 14.9073, 23.9288,
23.1145

■ 23.1204, 27.9978,
30.9519

■ 25.4518, 29.1750,
32.1754

■ 28.1309, 30.5309,
33.4418

■ 31.1718, 32.0727,
34.7520

■ 34.5882, 33.8075,
36.1069

■ 38.3927, 35.7417,
37.5072

Harmonies

Analogous

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



17.8580, 24.9078, 17.3230



16.9475, 24.9078, 26.4687



17.6686, 24.9078, 38.5946

Triad

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



16.9475, 24.9078, 26.4687



27.3996, 24.9078, 50.7531



27.8399, 24.9078, 12.6612

Complementary

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



16.9475, 24.9078, 26.4687



15.2832, 9.5743, 6.8378

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.



30.9063, 24.9078, 18.1807



16.9475, 24.9078, 26.4687



30.6331, 24.9078, 40.0522

Square

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



16.9475, 24.9078, 26.4687



23.4455, 24.9078, 54.7165



31.9799, 24.9078, 27.7826



23.9042, 24.9078, 10.8305

Rectangle

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



16.9475, 24.9078, 26.4687



19.0272, 24.9078, 46.4824



31.9799, 24.9078, 27.7826



29.0220, 24.9078, 14.0564

Sweetspot

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



16.9482, 24.9088, 26.4693



42.9550, 50.5004, 55.7876



14.3988, 24.0200, 7.1267



9.5245, 11.3576, 12.5533



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.9482, 24.9088, 26.4693



27.8504, 42.9572, 44.0781



13.8411, 16.5113, 32.1644



6.3369, 7.0075, 7.6973



12.5093, 20.0672, 19.4345



0.1980, 0.3044, 0.3486

Inverse Universe

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



15.2832, 9.5743, 6.8378



24.7362, 13.8165, 7.0189



16.7141, 13.2132, 4.9188



6.2520, 6.2399, 6.7069



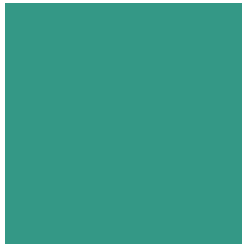
11.0355, 5.6685, 1.4462



0.1749, 0.0887, 0.0738

Previews

White Background



This preview shows how the XYZ color 16.9475, 24.9078, 26.4687 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 16.9475, 24.9078, 26.4687 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

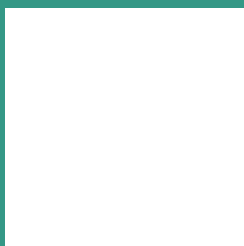
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9475, 24.9078, 26.4687

Background



This preview shows how black text looks on a background with the XYZ color 16.9475, 24.9078, 26.4687.

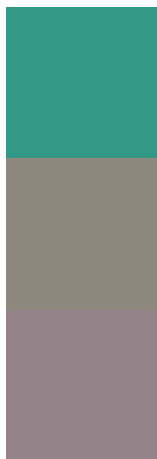


This preview shows how white text looks on a background with the XYZ color 16.9475, 24.9078,

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

16.9475, 24.9078, 26.4687

Protanopia

23.3501, 24.4713, 22.8948

Deuteranopia

25.0515, 24.6334, 27.4791



Tritanopia

19.0494, 24.8079, 37.0421

Trichromacy



Original Color

16.9475, 24.9078, 26.4687

Protanomaly

19.7278, 23.8595, 23.9876

Deuteranomaly

20.5580, 23.7821, 27.1738

Tritanomaly

18.1968, 24.6899, 33.0847

Monochromacy



Original Color

16.9475, 24.9078, 26.4687

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6723, 20.4161, 22.4640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9475, 24.9078, 26.4687 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(52, 152, 134)` looks like.

```
.text, #text, p{  
    color:rgb(52, 152, 134)  
}
```

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(52, 152, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 152, 134) }
```

Border

The CSS property to change the border of an element to XYZ 16.9475, 24.9078, 26.4687 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(52, 152, 134) }
```


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

```
.border{ border-color:rgb(52, 152, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 152, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 152, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 152, 134);  
box-shadow:4px 4px 4px 4px rgb(52, 152,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9475, 24.9078, 26.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 152, 134) }
```

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

```
.background{ background-color: rgb(52, 152,  
134) }
```

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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