

Converting Colors

XYZ(16.4898, 24.7188, 24.3242)

Have a look what the booklet for
XYZ(16.4898, 24.7188, 24.3242)
contains.

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Color

**XYZ(16.4898, 24.7188,
24.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	339880
RGB	51, 152, 128
RGB Percent	20%, 60%, 50%
CMY	0.8000, 0.4039, 0.4980
CMYK	0.66, 0.00, 0.16, 0.40
HSL	166°, 50%, 40%
HSV	166°, 66%, 60%
XYZ	16.4898, 24.7188, 24.3242
YIQ	119.0650, -52.4920, -28.8760

Conversions

Conversions Part 2

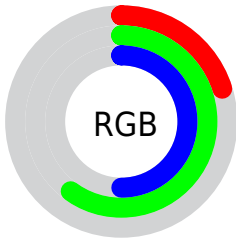
Format	Color
R_{YB}	51, 108, 152
Decimal	3381376
CIE _{Lab}	56.80, -34.93, 4.16
CIE _{LCh}	57, 35.176, 173.203
Yxy	24.7188, 0.2516, 0.3772
Android (android.graphics.Color)	4281571456 (0xFF339880)
YUV	119.0650, 4.4050, -59.6930
Hunter-Lab	49.7180, -27.8040, 5.7954

Details

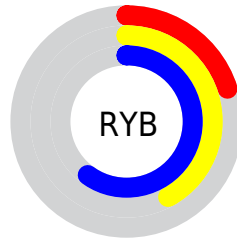
The XYZ color **16.4898, 24.7188, 24.3242** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4036, 9.5518, 7.6895**, and the grayscale version is **17.5543, 18.4685, 20.1122**.

A 20% lighter version of the original color is **37.0837, 51.2768, 51.6590**, and **5.9685, 9.6789, 8.9508** is the 20% darker color. If you saturate the color by 10%, you get **15.6121, 24.2940, 23.0644**, and if you desaturate by 10%, it is **17.6277, 25.2781, 25.6415**.

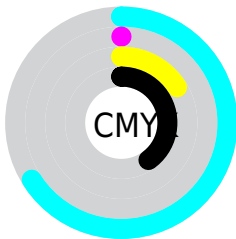
Distribution



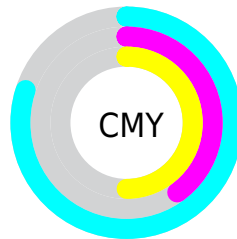
- Red (20%)
- Green (60%)
- Blue (50%)



- Red (20%)
- Yellow (42%)
- Blue (60%)



- Cyan (66%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)



- Cyan (80%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4898, 24.7188, 24.3242 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 16.4898, 24.7188, 24.3242 by changing the saturation by 10% instead.

■ 16.4898, 24.7188,
24.3242

■ 16.4898, 24.7188,
24.3242

225.4289,
276.4346, 287.7946

■ 9.9644, 15.8677,
15.3599

■ 36.9971, 51.2007,
51.5092

■ 5.4375, 9.4306,
8.9229

■ 51.7097, 69.6002,
70.5669

■ 2.5435, 5.0231,
4.5948

■ 69.8821, 91.9513,
93.8262

■ 0.9173, 2.2608,
1.9570

■ 91.8797, 118.6384,
121.7055

■ 0.0000, 0.7528,
0.5286

■ 118.0679,
150.0459, 154.6235

■ 0.0000, 0.0000,
0.0000

148.8118,

186.5582, 192.9987

184.4771,
228.5596, 237.2495

■ 16.4898, 24.7188,
24.3242

■ 16.4898, 24.7188,
24.3242

■ 15.6121, 24.2940,
23.0644

■ 17.6277, 25.2781,
25.6415

■ 14.9671, 23.9874,
21.8587

■ 19.0459, 25.9802,
27.0159

■ 14.5169, 23.7804,
20.7054

■ 20.7648, 26.8364,
28.4496

■ 14.3741, 23.7155,
20.3065

■ 22.8024, 27.8558,
29.9436

■ 25.1751, 29.0470,
31.4993

■ 27.8982, 30.4179,
33.1178

■ 30.9862, 31.9757,
34.8001

■ 34.4526, 33.7276,
36.5473

■ 38.3102, 35.6802,
38.3604

Harmonies

Analogous

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



17.7185, 24.7188, 15.5085



16.4898, 24.7188, 24.3242



16.9550, 24.7188, 36.8503

Triad

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



16.4898, 24.7188, 24.3242



26.7469, 24.7188, 53.5296



28.5520, 24.7188, 12.5569

Complementary

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



16.4898, 24.7188, 24.3242



15.4036, 9.5518, 7.6895

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.



31.5304, 24.7188, 18.9475



16.4898, 24.7188, 24.3242



30.4063, 24.7188, 42.8711

Square

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



16.4898, 24.7188, 24.3242



22.5717, 24.7188, 56.2163



32.2458, 24.7188, 29.6826



24.4421, 24.7188, 10.1181

Rectangle

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



16.4898, 24.7188, 24.3242



18.1929, 24.7188, 45.5674



32.2458, 24.7188, 29.6826



29.7373, 24.7188, 14.2056

Sweetspot

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



16.4905, 24.7198, 24.3248



42.7108, 50.4027, 54.5013



14.8270, 24.2433, 7.0305



9.4624, 11.3328, 12.2262



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.



16.4905, 24.7198, 24.3248



26.9258, 42.5785, 39.6099



14.5907, 18.0861, 32.4288



6.3218, 7.0014, 7.6179



12.0643, 19.8892, 17.0912



0.1940, 0.3028, 0.3273

Inverse Universe

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



15.4036, 9.5518, 7.6895



24.9159, 13.7818, 8.2940



16.1490, 12.1187, 4.6205



6.2660, 6.2456, 6.7808



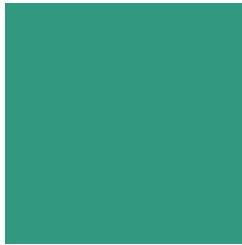
11.1365, 5.7089, 1.9781



0.1789, 0.0903, 0.0950

Previews

White Background



This preview shows how the XYZ color 16.4898, 24.7188, 24.3242 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 16.4898, 24.7188, 24.3242 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 16.4898, 24.7188, 24.3242

Background



This preview shows how black text looks on a background with the XYZ color 16.4898, 24.7188, 24.3242.

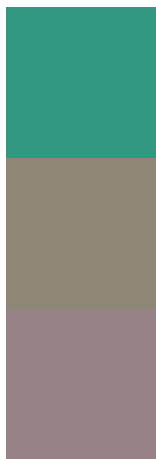


This preview shows how white text looks on a background with the XYZ color 16.4898, 24.7188,

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

16.4898, 24.7188, 24.3242

Protanopia

23.1491, 24.4106, 20.9444

Deuteranopia

24.7444, 24.3156, 25.5795



Tritanopia

19.1150, 24.8417, 37.0452

Trichromacy



Original Color

16.4898, 24.7188, 24.3242

Protanomaly

19.3444, 23.7061, 21.9685

Deuteranomaly

20.1394, 23.6146, 24.9694

Tritanomaly

17.9562, 24.5937, 31.8176

Monochromacy



Original Color

16.4898, 24.7188, 24.3242

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.2452, 20.0174, 21.4199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4898, 24.7188, 24.3242 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(51, 152, 128)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 128)  
}
```

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(51, 152, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.4898, 24.7188, 24.3242 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(51, 152, 128) }
```


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

```
.border{ border-color:rgb(51, 152, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 152, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 152, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 152, 128);  
box-shadow:4px 4px 4px 4px rgb(51, 152,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4898, 24.7188, 24.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 152, 128) }
```

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

```
.background{ background-color: rgb(51, 152,  
128) }
```

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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