

Converting Colors

XYZ(16.6477, 24.1708, 31.0751)

Have a look what the booklet for
XYZ(16.6477, 24.1708, 31.0751)
contains.

| | |
|--|----|
| XYZ(16.6301, 24.1640, 30.9818) | 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(16.6301, 24.1640,
30.9818)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1E9692 |
| RGB | 30, 150, 146 |
| RGB Percent | 12%, 59%, 57% |
| CMY | 0.8823, 0.4118, 0.4274 |
| CMYK | 0.80, 0.00, 0.03, 0.41 |
| HSL | 178°, 67%, 35% |
| HSV | 178°, 80%, 59% |
| XYZ | 16.6301, 24.1640, 30.9818 |
| YIQ | 113.6640, -70.2360, -26.6840 |

Conversions

Conversions Part 2

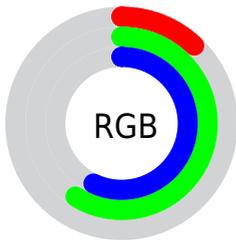
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 30, 91, 150 |
| Decimal | 2004626 |
| CIE _{Lab} | 56.25, -31.77, -6.97 |
| CIE _{LCh} | 56, 32.531, 192.380 |
| Y _{xy} | 24.1640, 0.2317, 0.3367 |
| Android (android.graphics.Color) | 4280194706 (0xFF1E9692) |
| YUV | 113.6640, 15.9416, -73.3733 |
| Hunter-Lab | 49.1569, -25.6368, -2.9585 |

Details

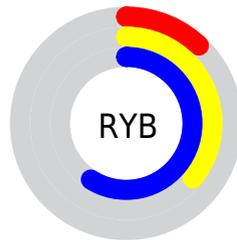
The XYZ color **16.6301, 24.1640, 30.9818** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.3315, 7.5289, 2.2648**, and the grayscale version is **15.8638, 16.6899, 18.1753**.

A 20% lighter version of the original color is **37.2937, 50.4294, 62.4119**, and **6.4790, 9.5799, 12.5740** is the 20% darker color. If you saturate the color by 10%, you get **16.2534, 23.9748, 30.7620**, and if you desaturate by 10%, it is **17.2168, 24.4625, 31.2134**.

Distribution



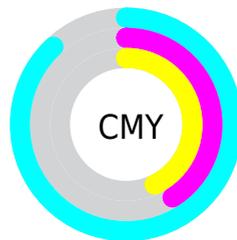
- Red (12%)
- Green (59%)
- Blue (57%)



- Red (12%)
- Yellow (36%)
- Blue (59%)



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (41%)



- Cyan (88%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6301, 24.1640, 30.9818 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 16.6301, 24.1640, 30.9818 by changing the saturation by 10% instead.

■ 16.6301, 24.1640,
30.9818

■ 16.6301, 24.1640,
30.9818

■ 226.2297,
273.6486, 320.8031

■ 10.0648, 15.4553,
20.3266

■ 37.2374, 50.2977,
62.2907

■ 5.5045, 9.1396,
12.4463

■ 52.0100, 68.4915,
83.7814

■ 2.5840, 4.8323,
6.9222

■ 70.2492, 90.6158,
109.7212

■ 0.9378, 2.1492,
3.3358

■ 92.3202, 117.0550,
140.5284

■ 0.0000, 0.6921,
1.2685

■ 118.5883,
148.1935, 176.6217

■ 0.0000, 0.0000,
0.0358

■ 149.4191,

■ 0.0000, 0.0000,

184.4156, 218.4195

0.0000

185.1778,
226.1059, 266.3405

■ 16.6301, 24.1640,
30.9818

■ 16.6301, 24.1640,
30.9818

■ 16.2534, 23.9748,
30.7620

■ 17.2168, 24.4625,
31.2134

■ 16.0177, 23.8578,
30.5492

■ 18.0374, 24.8810,
31.4562

■ 16.0176, 23.8577,
30.5491

■ 19.1152, 25.4321,
31.7120

■ 20.4697, 26.1258,
31.9816

■ 22.1189, 26.9714,
32.2660

■ 24.0791, 27.9773,
32.5657

■ 26.3654, 29.1513,
32.8816

■ 28.9919, 30.5007,
33.2144

■ 31.9720, 32.0323,
33.5646

Harmonies

Analogous

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



16.7678, 24.1640, 20.5513



16.6301, 24.1640, 30.9818



18.0503, 24.1640, 42.7934

Triad

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



16.6301, 24.1640, 30.9818



28.1681, 24.1640, 44.6627



25.2154, 24.1640, 11.1490

Complementary

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



16.6301, 24.1640, 30.9818



13.3315, 7.5289, 2.2648

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.



28.7045, 24.1640, 14.7188



16.6301, 24.1640, 30.9818



30.5324, 24.1640, 33.0561

Square

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



16.6301, 24.1640, 30.9818



24.5451, 24.1640, 52.0157



30.7387, 24.1640, 22.1340



21.4584, 24.1640, 10.8761

Rectangle

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



16.6301, 24.1640, 30.9818



19.7895, 24.1640, 49.1259



30.7387, 24.1640, 22.1340



26.4680, 24.1640, 11.9469

Sweetspot

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



16.6308, 24.1649, 30.9824



40.8737, 48.5411, 57.2291



11.8691, 22.2824, 4.9044



8.8151, 10.6326, 12.6451



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6308, 24.1649, 30.9824



28.3780, 42.1581, 53.9909



10.2244, 10.8451, 30.4095



5.9558, 6.5589, 7.3784



13.2866, 19.7874, 25.3487



0.1647, 0.2430, 0.3214

Inverse Universe

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



13.3315, 7.5289, 2.2648



22.3599, 11.6428, 1.4827



15.9834, 12.9198, 2.8804



5.8082, 5.8183, 6.0960



10.4568, 5.3878, 0.6207



0.1295, 0.0666, 0.0158

Previews

White Background



This preview shows how the XYZ color 16.6301, 24.1640, 30.9818 looks on a white background.

Color Contrast Check

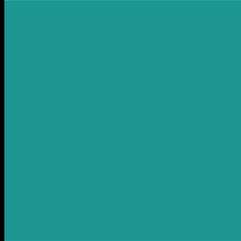
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6301, 24.1640, 30.9818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

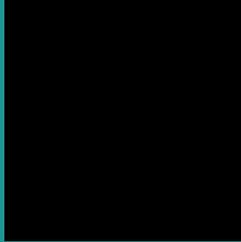
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

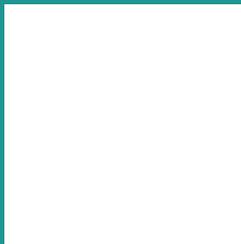
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6301, 24.1640, 30.9818

Background



This preview shows how black text looks on a background with the XYZ color 16.6301, 24.1640, 30.9818.



This preview shows how white text looks on a background with the XYZ color 16.6301, 24.1640,

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

16.6301, 24.1640, 30.9818

Protanopia

22.9848, 23.7869, 26.6724

Deuteranopia

24.1351, 23.6562, 32.1482



Tritanopia

17.8899, 24.2101, 36.9878

Trichromacy



Original Color

16.6301, 24.1640, 30.9818

Protanomaly

18.8960, 22.9001, 28.2352

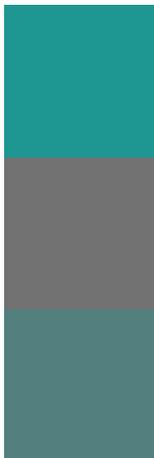
Deuteranomaly

19.5161, 22.7139, 31.7894

Tritanomaly

17.4632, 24.2735, 34.7752

Monochromacy



Original Color

16.6301, 24.1640, 30.9818

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.9225, 18.5241, 22.5277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6301, 24.1640, 30.9818 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(30, 150, 146)` looks like.

```
.text, #text, p{  
  color:rgb(30, 150, 146)  
}
```

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(30, 150, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 150, 146) }
```

Border

The CSS property to change the border of an element to XYZ 16.6301, 24.1640, 30.9818 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(30, 150, 146) }
```

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

```
.border{ border-color:rgb(30, 150, 146) }
```

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

Here you see how a box with a 4 pixel rgb(30, 150, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 150, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 150, 146);  
box-shadow:4px 4px 4px 4px rgb(30, 150,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6301, 24.1640, 30.9818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 150, 146) }
```

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

```
.background{ background-color: rgb(30, 150,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor