

Converting Colors

XYZ(16.3794, 23.8926, 32.7930)

Have a look what the booklet for
XYZ(16.3794, 23.8926, 32.7930)
contains.

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Color

**XYZ(16.4114, 24.0147,
32.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	009696
RGB	0, 150, 150
RGB Percent	0%, 59%, 59%
CMY	0.9999, 0.4118, 0.4118
CMYK	1.00, 0.00, 0.00, 0.41
HSL	180°, 100%, 29%
HSV	180°, 100%, 59%
XYZ	16.4114, 24.0147, 32.6245
YIQ	105.1500, -89.4000, -31.8000

Conversions

Conversions Part 2

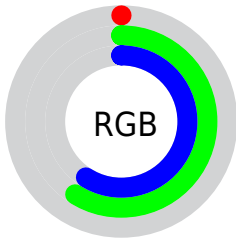
Format	Color
RYB	0, 75, 150
Decimal	38550
CIELab	56.10, -32.36, -9.52
CIElCh	56, 33.733, 196.386
Yxy	24.0147, 0.2247, 0.3287
Android (android.graphics.Color)	4278228630 (0xFF009696)
YUV	105.1500, 22.1110, -92.2166
Hunter-Lab	49.0048, -25.9799, -5.1684

Details

The XYZ color **16.4114, 24.0147, 32.6245** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.5785, 6.4849, 0.5895**, and the grayscale version is **13.4296, 14.1290, 15.3865**.

A 20% lighter version of the original color is **36.9469, 50.1959, 64.8682**, and **6.6198, 9.6362, 13.3155** is the 20% darker color. If you saturate the color by 10%, you get **16.4118, 24.0154, 32.6251**, and if you desaturate by 10%, it is **16.6092, 24.1172, 32.6343**.

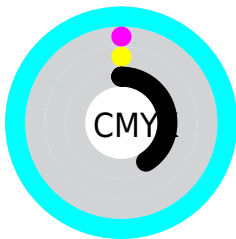
Distribution



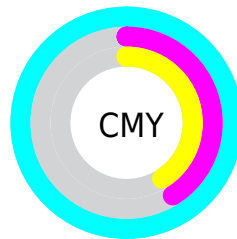
- Red (0%)
- Green (59%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4114, 24.0147, 32.6245 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 16.4114, 24.0147, 32.6245 by changing the saturation by 10% instead.

■ 16.4114, 24.0147,
32.6245

■ 16.4114, 24.0147,
32.6245

■ 224.9802,
272.8948, 328.5343

■ 9.9084, 15.3445,
21.5702

■ 36.8627, 50.0542,
64.8981

■ 5.4001, 9.0615,
13.3461

■ 51.5417, 68.1923,
86.9544

■ 2.5210, 4.7813,
7.5338

■ 69.6767, 90.2552,
113.5152

■ 0.9059, 2.1195,
3.7147

■ 91.6332, 116.6272,
144.9989

■ 0.0000, 0.6756,
1.4701

■ 117.7764,
147.6928, 181.8241

■ 0.0000, 0.0000,
0.1955

■ 148.4717,

■ 0.0000, 0.0000,

183.8363, 224.4094

0.0000

184.0845,
225.4422, 273.1733

■ 16.4114, 24.0147,
32.6245

■ 16.4114, 24.0147,
32.6245

■ 16.4118, 24.0154,
32.6251

■ 16.6092, 24.1172,
32.6343

■ 16.9480, 24.2919,
32.6502

■ 17.4952, 24.5739,
32.6759

■ 18.2770, 24.9769,
32.7125

■ 19.3157, 25.5124,
32.7612

■ 20.6310, 26.1905,
32.8228

■ 22.2409, 27.0204,
32.8982

■ 24.1615, 28.0105,
32.9881

■ 26.4082, 29.1687,
33.0933

Harmonies

Analogous

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



16.3368, 24.0147, 21.4509



16.4114, 24.0147, 32.6245



18.0726, 24.0147, 44.7854

Triad

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



16.4114, 24.0147, 32.6245



28.6404, 24.0147, 43.7508



24.6197, 24.0147, 10.4363

Complementary

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



16.4114, 24.0147, 32.6245



12.5785, 6.4849, 0.5895

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.



28.3456, 24.0147, 13.5661



16.4114, 24.0147, 32.6245



30.8378, 24.0147, 31.4849

Square

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



16.4114, 24.0147, 32.6245



24.9869, 24.0147, 52.3472



30.7242, 24.0147, 20.5908



20.7920, 24.0147, 10.5814

Rectangle

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



16.4114, 24.0147, 32.6245



19.9756, 24.0147, 50.9030



30.7242, 24.0147, 20.5908



25.9338, 24.0147, 11.0915

Sweetspot

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



16.4121, 24.0156, 32.6251



39.0606, 47.5865, 58.0474



10.9385, 21.8297, 3.6378



8.4061, 10.4168, 12.8524



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.



16.4121, 24.0156, 32.6251



28.9623, 42.3806, 57.5742



8.1955, 7.5822, 29.8866



5.9641, 6.5622, 7.4220



13.6112, 19.9173, 27.0577



0.1666, 0.2438, 0.3312

Inverse Universe

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



12.5785, 6.4849, 0.5895



22.1968, 11.4429, 1.0388



14.9290, 11.1859, 1.3730



5.8008, 5.8154, 6.0572



10.4317, 5.3777, 0.4882



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 16.4114, 24.0147, 32.6245 looks on a white background.

Color Contrast Check

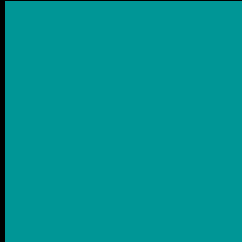
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4114, 24.0147, 32.6245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

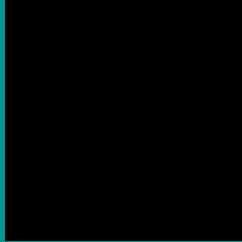
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4114, 24.0147, 32.6245

Background



This preview shows how black text looks on a background with the XYZ color 16.4114, 24.0147, 32.6245.

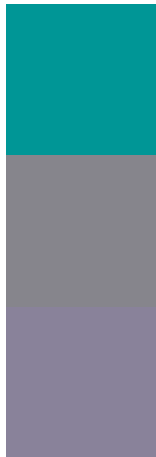


This preview shows how white text looks on a background with the XYZ color 16.4114, 24.0147,

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

16.4114, 24.0147, 32.6245

Protanopia

22.9527, 23.7368, 28.1829

Deuteranopia

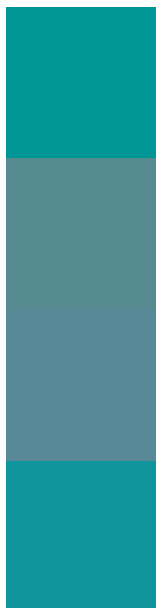
24.1319, 23.6167, 33.8584



Tritanopia

17.3871, 23.9509, 36.9643

Trichromacy



Original Color

16.4114, 24.0147, 32.6245

Protanomaly

18.0130, 22.4101, 29.7618

Deuteranomaly

18.6259, 22.2175, 33.4437

Tritanomaly

16.9794, 24.0144, 35.1928

Monochromacy



Original Color

16.4114, 24.0147, 32.6245

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6033, 16.2485, 20.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4114, 24.0147, 32.6245 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, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 150)  
}
```

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, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.4114, 24.0147, 32.6245 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, 150, 150) }
```


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

```
.border{ border-color:rgb(0, 150, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4114, 24.0147, 32.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 150) }
```

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

```
.background{ background-color: rgb(0, 150,  
150) }
```

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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