

Converting Colors

XYZ(16.3240, 23.4484, 33.8026)

Have a look what the booklet for
XYZ(16.3240, 23.4484, 33.8026)
contains.

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Color

**XYZ(16.3397, 23.4797,
33.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	009499
RGB	0, 148, 153
RGB Percent	0%, 58%, 60%
CMY	0.9999, 0.4196, 0.4000
CMYK	1.00, 0.03, 0.00, 0.40
HSL	182°, 100%, 30%
HSV	182°, 100%, 60%
XYZ	16.3397, 23.4797, 33.8078
YIQ	104.3180, -89.8130, -29.8210

Conversions

Conversions Part 2

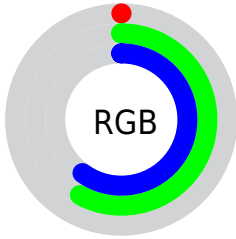
Format	Color
RYB	0, 75, 153
Decimal	38041
CIELab	55.56, -30.44, -12.05
CIElCh	56, 32.740, 201.587
Yxy	23.4797, 0.2219, 0.3189
Android (android.graphics.Color)	4278228121 (0xFF009499)
YUV	104.3180, 24.0002, -91.4869
Hunter-Lab	48.4559, -24.6061, -7.4477

Details

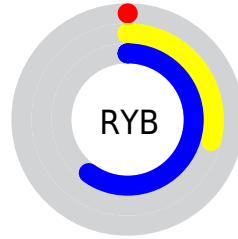
The XYZ color **16.3397, 23.4797, 33.8078** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.1918, 6.8816, 0.6338**, and the grayscale version is **13.2007, 13.8882, 15.1243**.

A 20% lighter version of the original color is **36.8349, 49.3905, 66.6234**, and **6.6730, 9.5087, 14.0540** is the 20% darker color. If you saturate the color by 10%, you get **16.3399, 23.4801, 33.8083**, and if you desaturate by 10%, it is **16.6211, 23.7419, 33.8440**.

Distribution



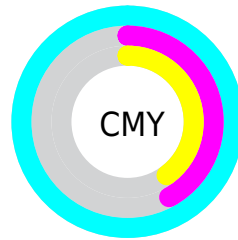
- Red (0%)
- Green (58%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3397, 23.4797, 33.8078 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 16.3397, 23.4797, 33.8078 by changing the saturation by 10% instead.


 16.3397, 23.4797,
33.8078

 16.3397, 23.4797,
33.8078


224.5692,
270.1794, 334.0171

 9.8572, 14.9481,
22.4698


 36.7396, 49.1798,
66.7651


 5.3659, 8.7830,
14.0009


 51.3878, 67.1171,
89.2216


 2.5005, 4.5999,
7.9825


 69.4886, 88.9584,
116.2213

 0.8955, 2.0145,
3.9962

 91.4074, 115.0882,
148.1827

 0.0000, 0.6159,
1.6232

 117.5094,
145.8908, 185.5245

 0.0000, 0.0000,
0.3073


 148.1602,


 0.0000, 0.0000,


181.7506, 228.6651


0.0000


183.7250,
223.0520, 278.0232

 16.3397, 23.4797,
33.8078


 16.3397, 23.4797,
33.8078


 16.3399, 23.4801,
33.8083

 16.6211, 23.7419,
33.8440

 17.0516, 24.0810,
33.8868

 17.7004, 24.5332,
33.9399

 18.5951, 25.1126,
34.0046

 19.7592, 25.8314,
34.0819

■ 21.2133, 26.7003,
34.1730

■ 22.9764, 27.7289,
34.2786

■ 25.0654, 28.9260,
34.3996

■ 27.4962, 30.2999,
34.5367

Harmonies

Analogous

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



15.9993, 23.4797, 22.7019



16.3397, 23.4797, 33.8078



18.1863, 23.4797, 45.0573

Triad

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



16.3397, 23.4797, 33.8078



28.3607, 23.4797, 40.4097



23.3727, 23.4797, 10.2552

Complementary

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



16.3397, 23.4797, 33.8078



13.1918, 6.8816, 0.6338

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.



27.0296, 23.4797, 12.7047



16.3397, 23.4797, 33.8078



30.1104, 23.4797, 28.6601

Square

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



16.3397, 23.4797, 33.8078



25.0346, 23.4797, 49.5429



29.5981, 23.4797, 18.7850



19.8031, 23.4797, 10.9266

Rectangle

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



16.3397, 23.4797, 33.8078



20.1466, 23.4797, 50.1446



29.5981, 23.4797, 18.7850



24.6374, 23.4797, 10.7093

Sweetspot

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



16.3404, 23.4806, 33.8084



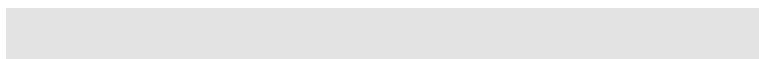
40.9380, 49.5375, 61.3760



11.4059, 22.7886, 3.8715



8.7592, 10.7756, 13.5357



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.



16.3404, 23.4806, 33.8084



29.2348, 41.9942, 60.5368



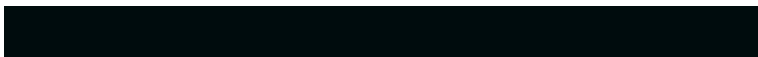
8.1967, 7.1930, 31.0938



6.3673, 6.9919, 7.9430



13.5094, 19.4154, 27.9432



0.2066, 0.2995, 0.4193

Inverse Universe

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



18.4828, 8.9112, 28.7637



33.0855, 15.9520, 51.4372



15.9378, 12.3737, 1.5492



6.4525, 6.3202, 7.7630



15.2777, 7.3653, 23.7850



0.2307, 0.1110, 0.3679

Previews

White Background



This preview shows how the XYZ color 16.3397, 23.4797, 33.8078 looks on a white background.

Color Contrast Check

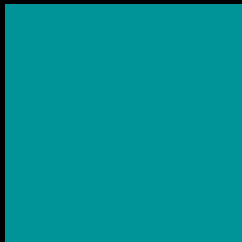
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3397, 23.4797, 33.8078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

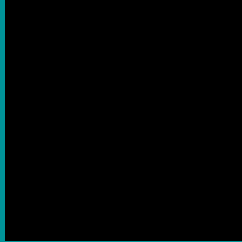
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3397, 23.4797, 33.8078

Background



This preview shows how black text looks on a background with the XYZ color 16.3397, 23.4797, 33.8078.



This preview shows how white text looks on a background with the XYZ color 16.3397, 23.4797,

33.8078.

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

16.3397, 23.4797, 33.8078

Protanopia

22.7249, 23.3912, 29.3038

Deuteranopia

23.6089, 23.1214, 35.1168



Tritanopia

17.0010, 23.5301, 36.4466

Trichromacy



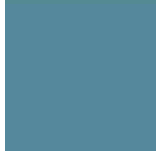
Original Color

16.3397, 23.4797, 33.8078



Protanomaly

18.0111, 22.1684, 30.9334



Deuteranomaly

18.5512, 21.9399, 34.7096



Tritanomaly

16.6855, 23.3873, 35.5331

Monochromacy



Original Color

16.3397, 23.4797, 33.8078



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.4761, 15.9963, 20.8424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3397, 23.4797, 33.8078 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, 148, 153) looks like.

```
.text, #text, p{  
  color:rgb(0, 148, 153)  
}
```

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, 148, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.3397, 23.4797, 33.8078 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, 148, 153) }
```


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

```
.border{ border-color:rgb(0, 148, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3397, 23.4797, 33.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 153) }
```

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

```
.background{ background-color: rgb(0, 148,  
153) }
```

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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