

Converting Colors

XYZ(11.0089, 20.7701, 36.3105)

Have a look what the booklet for
XYZ(11.0089, 20.7701, 36.3105)
contains.

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Color

**XYZ(16.8479, 23.6830,
36.4842)**

Conversions

Conversions Part 1

Format	Color
Hex	00949F
RGB	0, 148, 159
RGB Percent	0%, 58%, 62%
CMY	0.9999, 0.4196, 0.3765
CMYK	1.00, 0.07, 0.00, 0.38
HSL	184°, 100%, 31%
HSV	184°, 100%, 62%
XYZ	16.8479, 23.6830, 36.4842
YIQ	105.0020, -91.7390, -27.9550

Conversions

Conversions Part 2

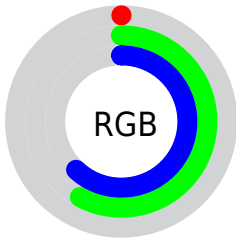
Format	Color
RYB	0, 77, 159
Decimal	38047
CIELab	55.77, -28.48, -15.17
CIELCh	56, 32.269, 208.049
Yxy	23.6830, 0.2188, 0.3075
Android (android.graphics.Color)	4278228127 (0xFF00949F)
YUV	105.0020, 26.6210, -92.0868
Hunter-Lab	48.6652, -23.3673, -10.3840

Details

The XYZ color **16.8479, 23.6830, 36.4842** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4184, 7.6110, 0.7099**, and the grayscale version is **13.3781, 14.0748, 15.3275**.

A 20% lighter version of the original color is **37.5725, 49.3202, 71.1578**, and **6.9815, 9.6321, 15.6786** is the 20% darker color. If you saturate the color by 10%, you get **16.8480, 23.6831, 36.4847**, and if you desaturate by 10%, it is **17.2341, 24.1400, 36.5525**.

Distribution



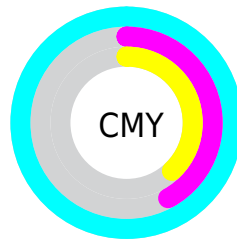
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8479, 23.6830, 36.4842 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 16.8479, 23.6830, 36.4842 by changing the saturation by 10% instead.

■ 16.8479, 23.6830,
36.4842

■ 16.8479, 23.6830,
36.4842

■ 227.4677,
271.2139, 346.1732

■ 10.2207, 15.0986,
24.5157

■ 37.6098, 49.5124,
70.9562

■ 5.6089, 8.8886,
15.5009

■ 52.4752, 67.5262,
94.2968

■ 2.6472, 4.6686,
9.0212

■ 70.8174, 89.4520,
122.2652

■ 0.9701, 2.0542,
4.6580

■ 93.0017, 115.6741,
155.2800

■ 0.0000, 0.6387,
1.9928

■ 119.3936,
146.5770, 193.7596

■ 0.0000, 0.0000,
0.5509

■ 150.3583,

■ 0.0000, 0.0000,

182.5450, 238.1227

0.0000

186.2612,
223.9625, 288.7877

■ 16.8479, 23.6830,
36.4842

■ 16.8479, 23.6830,
36.4842

■ 16.8480, 23.6831,
36.4847

■ 17.2341, 24.1400,
36.5525

■ 17.7870, 24.6848,
36.6285

■ 18.5795, 25.3556,
36.7162

■ 19.6419, 26.1680,
36.8171

■ 21.0001, 27.1354,
36.9322

■ 22.6771, 28.2696,
37.0627

■ 24.6934, 29.5812,
37.2096

■ 27.0679, 31.0799,
37.3737

■ 29.8180, 32.7747,
37.5559

Harmonies

Analogous

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



16.1783, 23.6830, 25.1062



16.8479, 23.6830, 36.4842



18.9842, 23.6830, 46.9718

Triad

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



16.8479, 23.6830, 36.4842



29.0317, 23.6830, 38.0038



22.7506, 23.6830, 10.4227

Complementary

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



16.8479, 23.6830, 36.4842



14.4184, 7.6110, 0.7099

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.



26.4473, 23.6830, 12.1772



16.8479, 23.6830, 36.4842



30.3096, 23.6830, 26.4796

Square

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



16.8479, 23.6830, 36.4842



25.9876, 23.6830, 48.0035



29.3167, 23.6830, 17.4160



19.3574, 23.6830, 11.7656

Rectangle

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



16.8479, 23.6830, 36.4842



21.0826, 23.6830, 50.9874



29.3167, 23.6830, 17.4160



24.0004, 23.6830, 10.6571

Sweetspot

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



16.8486, 23.6839, 36.4848



43.9938, 52.8296, 66.6219



12.4569, 24.8201, 4.4395



9.5815, 11.6930, 14.9956



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.8486, 23.6839, 36.4848



30.1142, 42.2964, 65.3203



8.3813, 6.7492, 33.6623



6.7826, 7.4309, 8.4835



13.3194, 18.7303, 28.8205



0.2487, 0.3560, 0.5188

Inverse Universe

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



19.6440, 9.5098, 28.8180



35.1498, 17.0180, 51.4523



17.9640, 14.7023, 1.8917



6.8843, 6.7467, 8.2420



15.5212, 7.5131, 22.7935



0.2828, 0.1365, 0.4355

Previews

White Background



This preview shows how the XYZ color 16.8479, 23.6830, 36.4842 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 16.8479, 23.6830, 36.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

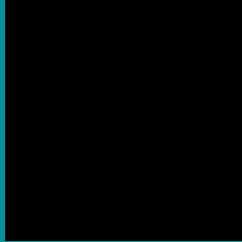
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8479, 23.6830, 36.4842

Background



This preview shows how black text looks on a background with the XYZ color 16.8479, 23.6830, 36.4842.

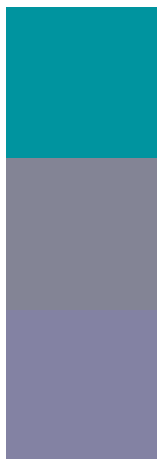


This preview shows how white text looks on a background with the XYZ color 16.8479, 23.6830,

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

16.8479, 23.6830, 36.4842

Protanopia

23.0362, 23.4977, 31.7552

Deuteranopia

23.9536, 23.4349, 37.9112



Tritanopia

17.0477, 23.7760, 36.9484

Trichromacy



Original Color

16.8479, 23.6830, 36.4842

Protanomaly

18.4055, 22.3159, 33.4743

Deuteranomaly

19.0345, 22.3390, 37.4910

Tritanomaly

17.0102, 23.7566, 36.9467

Monochromacy



Original Color

16.8479, 23.6830, 36.4842

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8538, 16.3487, 21.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8479, 23.6830, 36.4842 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.8479, 23.6830, 36.4842 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, 159) }
```


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

```
.border{ border-color:rgb(0, 148, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8479, 23.6830, 36.4842 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, 159) }
```

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

```
.background{ background-color: rgb(0, 148,  
159) }
```

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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