

Converting Colors

XYZ(15.0991, 22.2882, 41.9563)

Have a look what the booklet for
XYZ(15.0991, 22.2882, 41.9563)
contains.

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Color

**XYZ(17.6296, 23.4980,
42.1345)**

Conversions

Conversions Part 1

Format	Color
Hex	0092AB
RGB	0, 146, 171
RGB Percent	0%, 57%, 67%
CMY	0.9999, 0.4274, 0.3294
CMYK	1.00, 0.15, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.6296, 23.4980, 42.1345
YIQ	105.1960, -95.0410, -23.1770

Conversions

Conversions Part 2

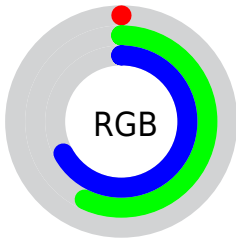
Format	Color
RYB	0, 79, 171
Decimal	37547
CIELab	55.58, -23.39, -22.33
CIELCh	56, 32.338, 223.664
Yxy	23.4980, 0.2117, 0.2822
Android (android.graphics.Color)	4278227627 (0xFF0092AB)
YUV	105.1960, 32.4414, -92.2569
Hunter-Lab	48.4747, -19.9128, -17.6029

Details

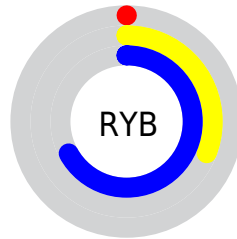
The XYZ color **17.6296, 23.4980, 42.1345** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1434, 9.3549, 0.9032**, and the grayscale version is **13.4168, 14.1155, 15.3718**.

A 20% lighter version of the original color is **38.7954, 49.0749, 79.3792**, and **7.4220, 9.5163, 18.8984** is the 20% darker color. If you saturate the color by 10%, you get **17.6291, 23.4970, 42.1348**, and if you desaturate by 10%, it is **18.2532, 24.3984, 42.2759**.

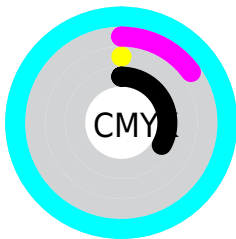
Distribution



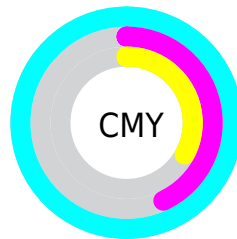
- Red (0%)
- Green (57%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6296, 23.4980, 42.1345 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 17.6296, 23.4980, 42.1345 by changing the saturation by 10% instead.

■ 17.6296, 23.4980,
42.1345

■ 17.6296, 23.4980,
42.1345

231.8611,
270.2726, 370.8563

■ 10.7825, 14.9617,
28.8803

■ 38.9402, 49.2098,
79.6754

■ 5.9870, 8.7925,
18.7455

■ 54.1344, 67.1540,
104.7992

■ 2.8777, 4.6061,
11.3116

■ 72.8416, 89.0029,
134.7166

■ 1.0894, 2.0180,
6.1600

■ 95.4273, 115.1410,
169.8461

■ 0.0163, 0.6179,
2.8723

■ 122.2567,
145.9526, 210.6063

■ 0.0000, 0.0000,
1.0298

■ 153.6952,

■ 0.0000, 0.0000,

181.8222, 257.4157

0.0000

190.1082,
223.1340, 310.6928

■ 17.6296, 23.4980,
42.1345

■ 17.6296, 23.4980,
42.1345

■ 17.6291, 23.4970,
42.1348

■ 18.2532, 24.3984,
42.2759

■ 19.0853, 25.4185,
42.4289

■ 20.2068, 26.6004,
42.5979

■ 21.6543, 27.9631,
42.7847

■ 23.4590, 29.5228,
42.9906

■ 25.6484, 31.2937,
43.2171

■ 28.2471, 33.2886,
43.4651

■ 31.2778, 35.5193,
43.7360

■ 34.7614, 37.9965,
44.0305

Harmonies

Analogous

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



16.1819, 23.4980, 30.6365



17.6296, 23.4980, 42.1345



20.4167, 23.4980, 50.1445

Triad

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



17.6296, 23.4980, 42.1345



29.7735, 23.4980, 31.6691



20.7160, 23.4980, 10.5963

Complementary

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



17.6296, 23.4980, 42.1345



17.1434, 9.3549, 0.9032

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.



24.3681, 23.4980, 10.7317



17.6296, 23.4980, 42.1345



29.8763, 23.4980, 21.1223

Square

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



17.6296, 23.4980, 42.1345



27.5419, 23.4980, 43.0658



27.8090, 23.4980, 14.0602



17.8281, 23.4980, 13.6201

Rectangle

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



17.6296, 23.4980, 42.1345



22.7860, 23.4980, 51.3613



27.8090, 23.4980, 14.0602



21.8883, 23.4980, 10.3056

Sweetspot

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



17.6304, 23.4988, 42.1351



50.3120, 59.4097, 77.8174



14.7165, 29.1876, 5.6599



10.7783, 12.9134, 17.3121



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.6304, 23.4988, 42.1351



31.4506, 41.8377, 75.4198



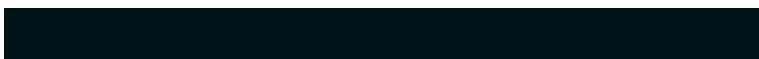
9.1134, 6.4650, 39.2961



8.1350, 8.8695, 10.2359



13.3194, 17.7727, 31.7730



0.3972, 0.5478, 0.8928

Inverse Universe

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



21.9836, 10.7342, 28.1081



39.3082, 19.1979, 50.0116



22.1907, 19.4496, 2.5856



8.2860, 8.1276, 9.8167



16.5867, 8.0972, 21.2666



0.4749, 0.2306, 0.6625

Previews

White Background



This preview shows how the XYZ color 17.6296, 23.4980, 42.1345 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 17.6296, 23.4980, 42.1345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

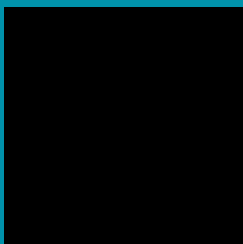
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

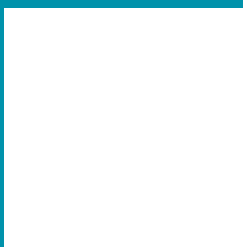
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6296, 23.4980, 42.1345

Background



This preview shows how black text looks on a background with the XYZ color 17.6296, 23.4980, 42.1345.

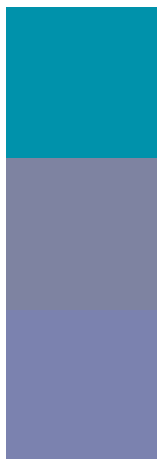


This preview shows how white text looks on a background with the XYZ color 17.6296, 23.4980,

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

17.6296, 23.4980, 42.1345

Protanopia

23.1535, 23.2414, 36.9839

Deuteranopia

23.8889, 23.2714, 43.7902



Tritanopia

16.6917, 23.3706, 36.4321

Trichromacy



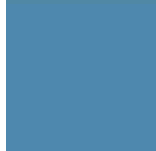
Original Color

17.6296, 23.4980, 42.1345



Protanomaly

18.9040, 22.0304, 38.8533



Deuteranomaly

19.5860, 22.2840, 43.3133



Tritanomaly

17.0446, 23.5118, 38.2902

Monochromacy



Original Color

17.6296, 23.4980, 42.1345



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.9937, 16.2112, 23.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6296, 23.4980, 42.1345 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, 146, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 171)  
}
```

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, 146, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 171) }
```

Border

The CSS property to change the border of an element to XYZ 17.6296, 23.4980, 42.1345 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, 146, 171) }
```


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

```
.border{ border-color:rgb(0, 146, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6296, 23.4980, 42.1345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 171) }
```

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

```
.background{ background-color: rgb(0, 146,  
171) }
```

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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