

Converting Colors

XYZ(15.0976, 18.9690, 33.0026)

Have a look what the booklet for
XYZ(15.0976, 18.9690, 33.0026)
contains.

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Color

**XYZ(15.0976, 18.9690,
33.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	338299
RGB	51, 130, 153
RGB Percent	20%, 51%, 60%
CMY	0.8000, 0.4902, 0.4000
CMYK	0.67, 0.15, 0.00, 0.40
HSL	194°, 50%, 40%
HSV	194°, 67%, 60%
XYZ	15.0976, 18.9690, 33.0026
YIQ	109.0010, -54.4670, -9.5950

Conversions

Conversions Part 2

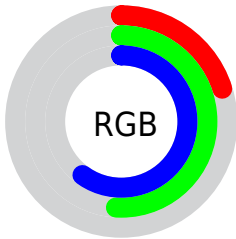
Format	Color
RYB	51, 96, 153
Decimal	3375769
CIELab	50.65, -16.50, -19.43
CIELCh	51, 25.493, 229.660
Yxy	18.9690, 0.2251, 0.2828
Android (android.graphics.Color)	4281565849 (0xFF338299)
YUV	109.0010, 21.6915, -50.8669
Hunter-Lab	43.5534, -14.3422, -14.4396

Details

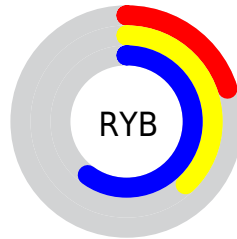
The XYZ color **15.0976, 18.9690, 33.0026** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1836, 11.9094, 4.5783**, and the grayscale version is **14.4882, 15.2428, 16.5994**.

A 20% lighter version of the original color is **34.5026, 41.6232, 65.2471**, and **5.3407, 6.8442, 13.6099** is the 20% darker color. If you saturate the color by 10%, you get **13.9988, 17.7330, 32.8223**, and if you desaturate by 10%, it is **16.4667, 20.3679, 33.2008**.

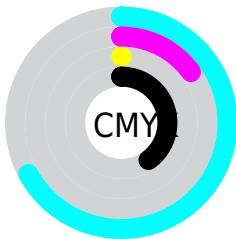
Distribution



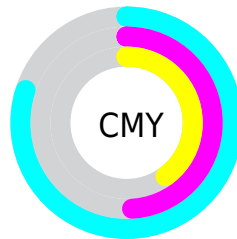
- Red (20%)
- Green (51%)
- Blue (60%)



- Red (20%)
- Yellow (38%)
- Blue (60%)



- Cyan (67%)
- Magenta (15%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0976, 18.9690, 33.0026 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 15.0976, 18.9690, 33.0026 by changing the saturation by 10% instead.

■ 15.0976, 18.9690,
33.0026

■ 15.0976, 18.9690,
33.0026

217.3329,
246.2776, 330.2938

■ 8.9747, 11.6479,
21.8573

■ 34.5946, 41.6817,
65.4956

■ 4.7816, 6.5044,
13.5548

■ 48.6993, 57.8421,
87.6805

■ 2.1532, 3.1541,
7.6765

■ 66.1954, 77.7177,
114.3822

■ 0.7179, 1.2127,
3.8038

■ 87.4481, 101.6929,
146.0195

■ 0.0000, 0.0721,
1.5184

■ 112.8229,
130.1521, 183.0107

■ 0.0000, 0.0000,
0.2315

142.6850,

■ 0.0000, 0.0000,

163.4796, 225.7745

0.0000

177.3999,
202.0600, 274.7293

■ 15.0976, 18.9690,
33.0026

■ 15.0976, 18.9690,
33.0026

■ 13.9988, 17.7330,
32.8223

■ 16.4667, 20.3679,
33.2008

■ 13.1423, 16.6442,
32.6573

■ 18.1270, 21.9396,
33.4167

■ 12.4885, 15.6823,
32.5061

■ 20.0991, 23.6953,
33.6516

■ 12.2875, 15.3752,
32.4574

■ 22.4013, 25.6447,
33.9065

■ 25.0506, 27.7967,
34.1823

■ 28.0625, 30.1595,
34.4796

■ 31.4517, 32.7410,
34.7993

■ 35.2322, 35.5485,
35.1419

■ 39.4169, 38.5889,
35.5082

Harmonies

Analogous

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



13.8768, 18.9690, 25.6322



15.0976, 18.9690, 33.0026



17.1816, 18.9690, 37.3423

Triad

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



15.0976, 18.9690, 33.0026



23.1753, 18.9690, 23.2209



16.4625, 18.9690, 10.2255

Complementary

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



15.0976, 18.9690, 33.0026



16.1836, 11.9094, 4.5783

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.



18.9048, 18.9690, 9.8680



15.0976, 18.9690, 33.0026



22.9375, 18.9690, 16.3661

Square

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



15.0976, 18.9690, 33.0026



21.9408, 18.9690, 30.8909



21.3183, 18.9690, 11.8486



14.6130, 18.9690, 12.9727

Rectangle

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



15.0976, 18.9690, 33.0026



18.8469, 18.9690, 37.3844



21.3183, 18.9690, 11.8486



17.2360, 18.9690, 9.8507

Sweetspot

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



15.0982, 18.9697, 33.0031



43.0174, 48.2988, 61.0273



13.9629, 23.9690, 10.2120



9.2299, 10.4464, 13.4474



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.



15.0982, 18.9697, 33.0031



24.2646, 30.7674, 58.6318



9.9769, 8.7271, 31.2960



6.2664, 6.7902, 7.9093



10.1809, 12.7584, 26.8337



0.1782, 0.2428, 0.4098

Inverse Universe

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



18.3504, 10.7522, 22.2281



30.8908, 16.2763, 36.1736



20.9551, 21.4523, 6.1688



6.4016, 6.2998, 7.4949



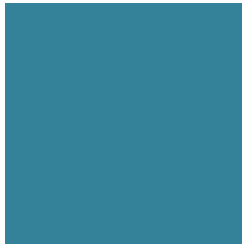
13.5976, 6.6933, 14.9379



0.2164, 0.1053, 0.2925

Previews

White Background



This preview shows how the XYZ color 15.0976, 18.9690, 33.0026 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 15.0976, 18.9690, 33.0026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

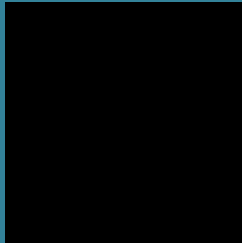
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0976, 18.9690, 33.0026

Background



This preview shows how black text looks on a background with the XYZ color 15.0976, 18.9690, 33.0026.



This preview shows how white text looks on a background with the XYZ color 15.0976, 18.9690,

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

15.0976, 18.9690, 33.0026

Protanopia

18.6471, 18.8154, 29.4370

Deuteranopia

19.1613, 18.8019, 34.0717



Tritanopia

14.2159, 19.0134, 28.5119

Trichromacy



Original Color

15.0976, 18.9690, 33.0026

Protanomaly

16.7426, 18.5282, 30.7108

Deuteranomaly

17.0924, 18.4593, 33.6725

Tritanomaly

14.4769, 18.9123, 30.0815

Monochromacy



Original Color

15.0976, 18.9690, 33.0026

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0875, 16.2780, 21.8015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0976, 18.9690, 33.0026 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(51, 130, 153)` looks like.

```
.text, #text, p{  
    color:rgb(51, 130, 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(51, 130, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 130, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.0976, 18.9690, 33.0026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

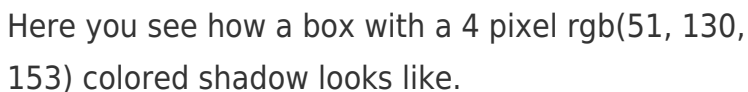
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 130, 153) }
```


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

```
.border{ border-color:rgb(51, 130, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 130, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 130, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 130, 153); box-shadow:4px 4px 4px 4px rgb(51, 130, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0976, 18.9690, 33.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 130, 153) }
```

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

```
.background{ background-color: rgb(51, 130,  
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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