

Converting Colors

XYZ(6.8084, 15.6886, 35.9462)

Have a look what the booklet for
XYZ(6.8084, 15.6886, 35.9462)
contains.

XYZ(15.0091, 19.8660, 36.3012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.0091, 19.8660,
36.3012)**

Conversions

Conversions Part 1

Format	Color
Hex	0087A0
RGB	0, 135, 160
RGB Percent	0%, 53%, 63%
CMY	0.9999, 0.4706, 0.3725
CMYK	1.00, 0.16, 0.00, 0.37
HSL	189°, 100%, 31%
HSV	189°, 100%, 63%
XYZ	15.0091, 19.8660, 36.3012
YIQ	97.4850, -88.4850, -20.8450

Conversions

Conversions Part 2

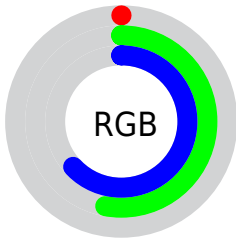
Format	Color
RYB	0, 73, 160
Decimal	34720
CIELab	51.69, -21.49, -21.98
CIELCh	52, 30.742, 225.647
Yxy	19.8660, 0.2109, 0.2791
Android (android.graphics.Color)	4278224800 (0xFF0087A0)
YUV	97.4850, 30.8199, -85.4943
Hunter-Lab	44.5713, -17.8910, -17.0890

Details

The XYZ color **15.0091, 19.8660, 36.3012** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8456, 8.1699, 0.7952**, and the grayscale version is **11.4256, 12.0206, 13.0905**.

A 20% lighter version of the original color is **34.3688, 42.9966, 70.7777**, and **5.9553, 7.5797, 15.3365** is the 20% darker color. If you saturate the color by 10%, you get **15.0090, 19.8656, 36.3015**, and if you desaturate by 10%, it is **15.5765, 20.6829, 36.4294**.

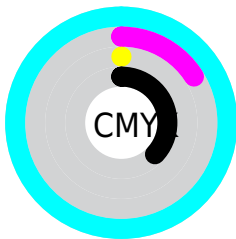
Distribution



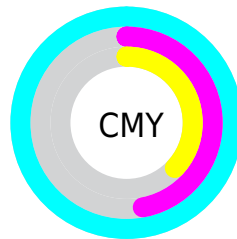
- Red (0%)
- Green (53%)
- Blue (63%)



- Red (0%)
- Yellow (29%)
- Blue (63%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0091, 19.8660, 36.3012 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 15.0091, 19.8660, 36.3012 by changing the saturation by 10% instead.

■ 15.0091, 19.8660,
36.3012

■ 15.0091, 19.8660,
36.3012

■ 216.8086,
251.1888, 345.3523

■ 8.9121, 12.2977,
24.3754

■ 34.4407, 43.1924,
70.6710

■ 4.7406, 6.9467,
15.3975

■ 48.5060, 59.7193,
93.9520

■ 2.1290, 3.4288,
8.9491

■ 65.9581, 80.0011,
121.8552

■ 0.7049, 1.3595,
4.6117

■ 87.1624, 104.4223,
154.7991

■ 0.0000, 0.1866,
1.9666

■ 112.4843,
133.3673, 193.2022

■ 0.0000, 0.0000,
0.5346

■ 142.2890,

■ 0.0000, 0.0000,

167.2205, 237.4830

0.0000

176.9420,
206.3661, 288.0602

■ 15.0091, 19.8660,
36.3012

■ 15.0091, 19.8660,
36.3012

■ 15.0090, 19.8656,
36.3015

■ 15.5765, 20.6829,
36.4294

■ 16.3201, 21.6024,
36.5677

■ 17.3132, 22.6630,
36.7200

■ 18.5870, 23.8806,
36.8879

■ 20.1676, 25.2689,
37.0726

■ 22.0785, 26.8400,
37.2751

■ 24.3405, 28.6047,
37.4965

■ 26.9729, 30.5731,
37.7377

■ 29.9935, 32.7545,
37.9996

Harmonies

Analogous

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



13.6978, 19.8660, 26.5766



15.0091, 19.8660, 36.3012



17.4407, 19.8660, 42.7779

Triad

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



15.0091, 19.8660, 36.3012



25.2751, 19.8660, 26.1512



17.3175, 19.8660, 8.9921

Complementary

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



15.0091, 19.8660, 36.3012



14.8456, 8.1699, 0.7952

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.



20.4007, 19.8660, 8.9366



15.0091, 19.8660, 36.3012



25.2327, 19.8660, 17.3400

Square

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



15.0091, 19.8660, 36.3012



23.4798, 19.8660, 35.9171



23.3697, 19.8660, 11.5652



14.9275, 19.8660, 11.7459

Rectangle

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



15.0091, 19.8660, 36.3012



19.4755, 19.8660, 43.4918



23.3697, 19.8660, 11.5652



18.3008, 19.8660, 8.6890

Sweetspot

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



15.0098, 19.8667, 36.3017



43.9329, 51.7372, 68.0573



12.7363, 25.2081, 5.0596



9.2659, 11.0619, 14.8904



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.



15.0098, 19.8667, 36.3017



27.1298, 35.8259, 65.8717



7.7604, 5.3681, 33.8853



6.7335, 7.3328, 8.4672



11.7178, 15.5271, 28.2867



0.2311, 0.3209, 0.5130

Inverse Universe

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



18.8709, 9.2235, 23.7080



34.2014, 16.7213, 42.7199



19.4487, 17.3761, 2.3295



6.8596, 6.7368, 8.1117



14.7128, 7.1897, 18.5364



0.2740, 0.1329, 0.3889

Previews

White Background



This preview shows how the XYZ color 15.0091, 19.8660, 36.3012 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 15.0091, 19.8660, 36.3012 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

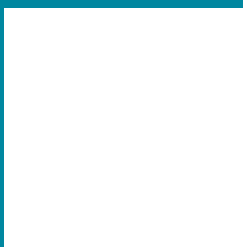
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0091, 19.8660, 36.3012

Background



This preview shows how black text looks on a background with the XYZ color 15.0091, 19.8660, 36.3012.

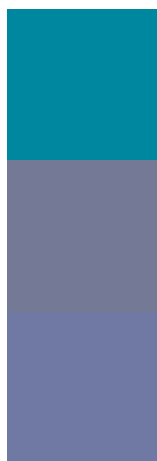


This preview shows how white text looks on a background with the XYZ color 15.0091, 19.8660,

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

15.0091, 19.8660, 36.3012

Protanopia

19.6670, 19.8341, 31.6460

Deuteranopia

20.1303, 19.7638, 37.4041



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

15.0091, 19.8660, 36.3012

Protanomaly

16.2461, 18.9677, 33.3767

Deuteranomaly

16.5810, 18.8699, 36.9508

Tritanomaly

14.4717, 19.8753, 32.7793

Monochromacy



Original Color

15.0091, 19.8660, 36.3012

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0612, 13.7491, 19.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0091, 19.8660, 36.3012 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, 135, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 160)  
}
```

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, 135, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 160) }
```

Border

The CSS property to change the border of an element to XYZ 15.0091, 19.8660, 36.3012 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, 135, 160) }
```


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

```
.border{ border-color:rgb(0, 135, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0091, 19.8660, 36.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 160) }
```

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

```
.background{ background-color: rgb(0, 135,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor