

Converting Colors

XYZ(12.5513, 18.4187, 37.6540)

Have a look what the booklet for
XYZ(12.5513, 18.4187, 37.6540)
contains.

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Color

**XYZ(15.1360, 19.6945,
37.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	0086A3
RGB	0, 134, 163
RGB Percent	0%, 53%, 64%
CMY	0.9999, 0.4745, 0.3608
CMYK	1.00, 0.18, 0.00, 0.36
HSL	191°, 100%, 32%
HSV	191°, 100%, 64%
XYZ	15.1360, 19.6945, 37.6540
YIQ	97.2400, -89.1730, -19.3890

Conversions

Conversions Part 2

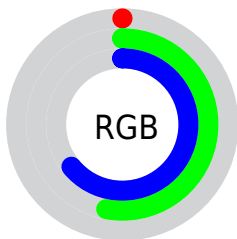
Format	Color
RYB	0, 74, 163
Decimal	34467
CIELab	51.49, -19.89, -24.02
CIELCh	51, 31.186, 230.374
Yxy	19.6945, 0.2088, 0.2717
Android (android.graphics.Color)	4278224547 (0xFF0086A3)
YUV	97.2400, 32.4197, -85.2795
Hunter-Lab	44.3785, -16.7820, -19.2411

Details

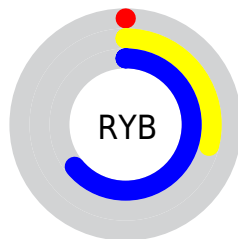
The XYZ color **15.1360, 19.6945, 37.6540** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.5448, 8.6671, 0.8546**, and the grayscale version is **11.3625, 11.9542, 13.0181**.

A 20% lighter version of the original color is **34.5450, 42.7265, 72.7560**, and **6.0396, 7.4883, 16.1660** is the 20% darker color. If you saturate the color by 10%, you get **15.1354, 19.6933, 37.6542**, and if you desaturate by 10%, it is **15.7621, 20.6210, 37.8002**.

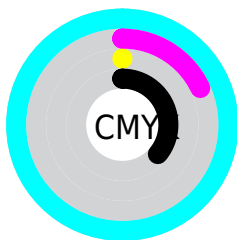
Distribution



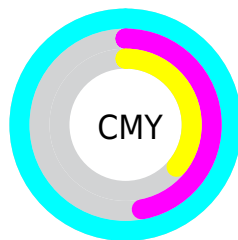
- Red (0%)
- Green (53%)
- Blue (64%)



- Red (0%)
- Yellow (29%)
- Blue (64%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1360, 19.6945, 37.6540 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 15.1360, 19.6945, 37.6540 by changing the saturation by 10% instead.

■ 15.1360, 19.6945,
37.6540

■ 15.1360, 19.6945,
37.6540

■ 217.5600,
250.2564, 351.3870

■ 9.0018, 12.1732,
25.4145

■ 34.6613, 42.9044,
72.7750

■ 4.7995, 6.8617,
16.1643

■ 48.7831, 59.3617,
96.4937

■ 2.1636, 3.3758,
9.4849

■ 66.2982, 79.5666,
124.8757

■ 0.7235, 1.3309,
4.9577

■ 87.5719, 103.9032,
158.3398

■ 0.0000, 0.1650,
2.1641

■ 112.9696,
132.7562, 197.3044

■ 0.0000, 0.0000,
0.6536

■ 142.8566,

■ 0.0000, 0.0000,

166.5098, 242.1881

0.0000

177.5983,
205.5484, 293.4095

■ 15.1360, 19.6945,
37.6540

■ 15.1360, 19.6945,
37.6540

■ 15.1354, 19.6933,
37.6542

■ 15.7621, 20.6210,
37.8002

■ 16.5758, 21.6602,
37.9579

■ 17.6524, 22.8516,
38.1312

■ 19.0244, 24.2120,
38.3214

■ 20.7195, 25.7558,
38.5301

■ 22.7620, 27.4956,
38.7582

■ 25.1740, 29.4430,
39.0070

■ 27.9756, 31.6084,
39.2773

■ 31.1854, 34.0015,
39.5700

Harmonies

Analogous

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



13.6235, 19.6945, 28.0242



15.1360, 19.6945, 37.6540



17.7303, 19.6945, 43.3303

Triad

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



15.1360, 19.6945, 37.6540



25.3040, 19.6945, 24.4581



16.7003, 19.6945, 9.0017

Complementary

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



15.1360, 19.6945, 37.6540



15.5448, 8.6671, 0.8546

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.



19.7438, 19.6945, 8.5412



15.1360, 19.6945, 37.6540



24.9489, 19.6945, 15.9839

Square

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



15.1360, 19.6945, 37.6540



23.7495, 19.6945, 34.4269



22.8271, 19.6945, 10.7167



14.4544, 19.6945, 12.2202

Rectangle

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



15.1360, 19.6945, 37.6540



19.8242, 19.6945, 43.2678



22.8271, 19.6945, 10.7167



17.6557, 19.6945, 8.5623

Sweetspot

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



15.1367, 19.6952, 37.6545



44.8161, 52.5176, 69.8310



13.2979, 26.2749, 5.4195



9.6613, 11.4725, 15.6427



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.1367, 19.6952, 37.6545



26.9732, 35.0031, 67.3908



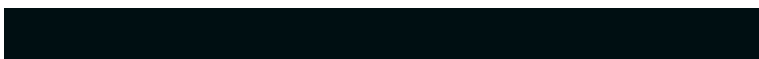
7.9472, 5.3163, 35.2580



7.1684, 7.7959, 9.0300



11.7926, 15.3646, 29.2739



0.2742, 0.3757, 0.6239

Inverse Universe

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



19.4080, 9.5086, 23.3672



34.6893, 17.0006, 41.4911



20.5391, 18.6556, 2.5194



7.3100, 7.1804, 8.6188



15.0978, 7.3952, 18.2377



0.3306, 0.1607, 0.4534

Previews

White Background



This preview shows how the XYZ color 15.1360, 19.6945, 37.6540 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 15.1360, 19.6945, 37.6540 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 15.1360, 19.6945, 37.6540

Background



This preview shows how black text looks on a background with the XYZ color 15.1360, 19.6945, 37.6540.

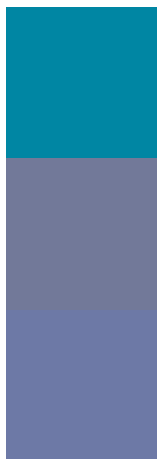


This preview shows how white text looks on a background with the XYZ color 15.1360, 19.6945,

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

15.1360, 19.6945, 37.6540

Protanopia

19.5266, 19.5521, 32.8818

Deuteranopia

20.0270, 19.6791, 38.8193



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

15.1360, 19.6945, 37.6540

Protanomaly

16.2943, 18.7725, 34.6629

Deuteranomaly

16.7066, 18.9035, 38.3655

Tritanomaly

14.4137, 19.6279, 33.1659

Monochromacy



Original Color

15.1360, 19.6945, 37.6540

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0137, 13.5565, 20.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1360, 19.6945, 37.6540 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, 134, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 163)  
}
```

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, 134, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 163) }
```

Border

The CSS property to change the border of an element to XYZ 15.1360, 19.6945, 37.6540 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, 134, 163) }
```


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

```
.border{ border-color:rgb(0, 134, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 134, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1360, 19.6945, 37.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 163) }
```

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

```
.background{ background-color: rgb(0, 134,  
163) }
```

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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