

Converting Colors

XYZ(10.1876, 15.0286, 35.1367)

Have a look what the booklet for
XYZ(10.1876, 15.0286, 35.1367)
contains.

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Color

**XYZ(13.3410, 16.6691,
35.3152)**

Conversions

Conversions Part 1

Format	Color
Hex	007B9F
RGB	0, 123, 159
RGB Percent	0%, 48%, 62%
CMY	0.9999, 0.5176, 0.3765
CMYK	1.00, 0.23, 0.00, 0.38
HSL	194°, 100%, 31%
HSV	194°, 100%, 62%
XYZ	13.3410, 16.6691, 35.3152
YIQ	90.3270, -84.8640, -14.8800

Conversions

Conversions Part 2

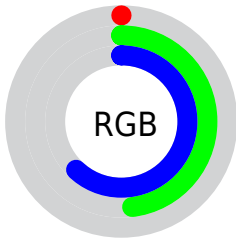
Format	Color
RYB	0, 69, 159
Decimal	31647
CIELab	47.84, -15.33, -27.34
CIELCh	48, 31.346, 240.731
Yxy	16.6691, 0.2042, 0.2552
Android (android.graphics.Color)	4278221727 (0xFF007B9F)
YUV	90.3270, 33.8558, -79.2168
Hunter-Lab	40.8278, -13.1215, -22.7051

Details

The XYZ color **13.3410, 16.6691, 35.3152** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.9302, 8.6347, 0.8806**, and the grayscale version is **9.7338, 10.2407, 11.1522**.

A 20% lighter version of the original color is **31.5934, 37.9319, 69.2748**, and **5.1026, 5.9591, 14.7912** is the 20% darker color. If you saturate the color by 10%, you get **13.3403, 16.6677, 35.3153**, and if you desaturate by 10%, it is **14.0086, 17.6889, 35.4772**.

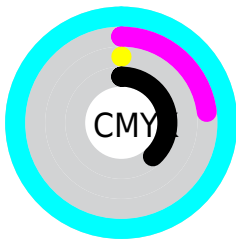
Distribution



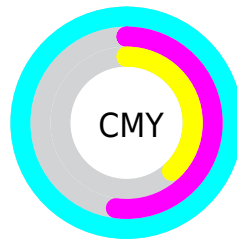
- Red (0%)
- Green (48%)
- Blue (62%)



- Red (0%)
- Yellow (27%)
- Blue (62%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3410, 16.6691, 35.3152 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 13.3410, 16.6691, 35.3152 by changing the saturation by 10% instead.

■ 13.3410, 16.6691,
35.3152

■ 13.3410, 16.6691,
35.3152

■ 206.6854,
233.2582, 340.9039

■ 7.7424, 9.9989,
23.6203

■ 31.5112, 37.7560,
69.1309

■ 3.9810, 5.3982,
14.8426

■ 44.8135, 52.9414,
92.0887

■ 1.6914, 2.4827,
8.5636

■ 61.4144, 71.7339,
119.6379

■ 0.4509, 0.8680,
4.3647

■ 81.6792, 94.5181,
152.1971

■ 0.0000, 0.0000,
1.8275

■ 105.9734,
121.6782, 190.1847

■ 0.0000, 0.0000,
0.4460

■ 134.6623,

■ 0.0000, 0.0000,

153.5986, 234.0194

0.0000

168.1111,
190.6639, 284.1196

■ 13.3410, 16.6691,
35.3152

■ 13.3410, 16.6691,
35.3152

■ 13.3403, 16.6677,
35.3153

■ 14.0086, 17.6889,
35.4772

■ 14.8581, 18.8268,
35.6521

■ 15.9623, 20.1210,
35.8437

■ 17.3517, 21.5873,
36.0535

■ 19.0525, 23.2395,
36.2827

■ 21.0875, 25.0897,
36.5326

■ 23.4777, 27.1487,
36.8041

■ 26.2419, 29.4268,
37.0981

■ 29.3978, 31.9331,
37.4155

Harmonies

Analogous

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



11.6302, 16.6691, 27.2827



13.3410, 16.6691, 35.3152



15.9126, 16.6691, 38.4893

Triad

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



13.3410, 16.6691, 35.3152



21.8975, 16.6691, 17.9528



13.2346, 16.6691, 7.8175

Complementary

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



13.3410, 16.6691, 35.3152



14.9302, 8.6347, 0.8806

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.



15.7745, 16.6691, 6.6409



13.3410, 16.6691, 35.3152



20.9682, 16.6691, 11.3232

Square

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



13.3410, 16.6691, 35.3152



21.0515, 16.6691, 26.8357



18.6408, 16.6691, 7.7052



11.5741, 16.6691, 11.5751

Rectangle

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



13.3410, 16.6691, 35.3152



17.8384, 16.6691, 36.8578



18.6408, 16.6691, 7.7052



14.0032, 16.6691, 7.1671

Sweetspot

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



13.3416, 16.6697, 35.3156



41.7751, 48.3922, 65.8823



12.6943, 24.9150, 5.6895



9.0207, 10.5715, 14.8087



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.



13.3416, 16.6697, 35.3156



23.7395, 29.5469, 63.1954



7.1996, 4.3857, 33.2683



6.6944, 7.2545, 8.4541



10.5687, 13.2290, 27.9037



0.2179, 0.2943, 0.5086

Inverse Universe

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



17.8738, 8.8018, 19.4962



31.9321, 15.7309, 34.5083



20.3111, 19.3965, 2.6743



6.8398, 6.7289, 8.0077



14.1328, 6.9577, 15.4822



0.2673, 0.1302, 0.3536

Previews

White Background



This preview shows how the XYZ color 13.3410, 16.6691, 35.3152 looks on a white 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

Black Background



This preview shows how the XYZ color 13.3410, 16.6691, 35.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

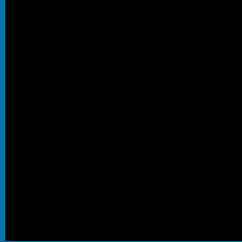
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3410, 16.6691, 35.3152

Background



This preview shows how black text looks on a background with the XYZ color 13.3410, 16.6691, 35.3152.

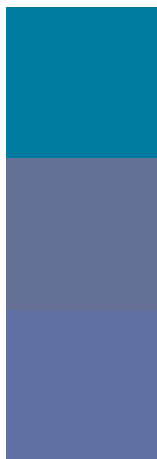


This preview shows how white text looks on a background with the XYZ color 13.3410, 16.6691,

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

13.3410, 16.6691, 35.3152

Protanopia

16.7787, 16.6151, 31.1769

Deuteranopia

17.0351, 16.6299, 36.4945



Tritanopia

11.9048, 16.6993, 25.8884

Trichromacy



Original Color

13.3410, 16.6691, 35.3152

Protanomaly

14.1751, 15.9145, 32.4617

Deuteranomaly

14.5419, 16.0247, 36.0448

Tritanomaly

12.3677, 16.6808, 28.9534

Monochromacy



Original Color

13.3410, 16.6691, 35.3152

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.5332, 11.6104, 17.9582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3410, 16.6691, 35.3152 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, 123, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 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, 123, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 159) }
```

Border

The CSS property to change the border of an element to XYZ 13.3410, 16.6691, 35.3152 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, 123, 159) }
```


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

```
.border{ border-color:rgb(0, 123, 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, 123, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3410, 16.6691, 35.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 159) }
```

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

```
.background{ background-color: rgb(0, 123,  
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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