

Converting Colors

XYZ(5.8312, 13.4104, 43.8314)

Have a look what the booklet for
XYZ(5.8312, 13.4104, 43.8314)
contains.

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Color

**XYZ(15.5252, 18.3531,
44.3192)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 007FB1 |
| RGB | 0, 127, 177 |
| RGB Percent | 0%, 50%, 69% |
| CMY | 0.9999, 0.5020, 0.3059 |
| CMYK | 1.00, 0.28, 0.00, 0.31 |
| HSL | 197°, 100%, 35% |
| HSV | 197°, 100%, 69% |
| XYZ | 15.5252, 18.3531, 44.3192 |
| YIQ | 94.7270, -91.7420, -11.3740 |

Conversions

Conversions Part 2

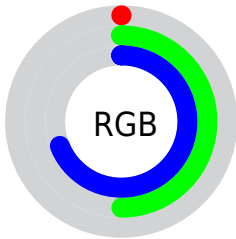
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 74, 177 |
| Decimal | 32689 |
| CIELab | 49.92, -10.83, -34.56 |
| CIELCh | 50, 36.218, 252.608 |
| Yxy | 18.3531, 0.1985, 0.2347 |
| Android (android.graphics.Color) | 4278222769 (0xFF007FB1) |
| YUV | 94.7270, 40.5606, -83.0756 |
| Hunter-Lab | 42.8405, -10.2834, -31.3481 |

Details

The XYZ color **15.5252, 18.3531, 44.3192** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.2738, 11.6313, 1.2302**, and the grayscale version is **10.7366, 11.2957, 12.3011**.

A 20% lighter version of the original color is **35.4429, 40.8010, 83.0981**, and **6.3625, 6.9040, 20.0661** is the 20% darker color. If you saturate the color by 10%, you get **15.5242, 18.3510, 44.3192**, and if you desaturate by 10%, it is **16.4320, 19.8036, 44.5518**.

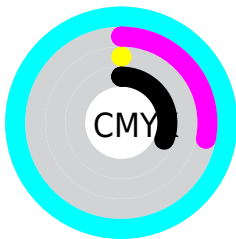
Distribution



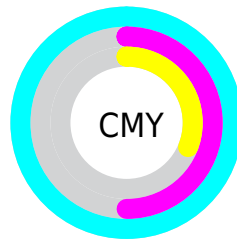
- Red (0%)
- Green (50%)
- Blue (69%)



- Red (0%)
- Yellow (29%)
- Blue (69%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5252, 18.3531, 44.3192 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 15.5252, 18.3531, 44.3192 by changing the saturation by 10% instead.

■ 15.5252, 18.3531,
44.3192

■ 15.5252, 18.3531,
44.3192

219.8494,
242.8538, 380.0887

■ 9.2775, 11.2038,
30.5825

■ 35.3361, 40.6381,
83.0054

■ 4.9812, 6.2041,
20.0253

■ 49.6300, 56.5426,
108.7920

■ 2.2709, 2.9696,
12.2292

■ 67.3367, 76.1342,
139.4324

■ 0.7797, 1.1159,
6.7755

■ 88.8215, 99.7974,
175.3450

■ 0.0000, 0.0000,
3.2458

■ 114.4499,
127.9166, 216.9483

■ 0.0000, 0.0000,
1.2215

■ 144.5870,

■ 0.0000, 0.0000,

160.8761, 264.6611

0.0000

179.5984,
199.0604, 318.9017

■ 15.5252, 18.3531,
44.3192

■ 15.5252, 18.3531,
44.3192

■ 15.5242, 18.3510,
44.3192

■ 16.4320, 19.8036,
44.5518

■ 17.5900, 21.4316,
44.8050

■ 19.0848, 23.2821,
45.0834

■ 20.9568, 25.3767,
45.3890

■ 23.2403, 27.7336,
45.7236

■ 25.9657, 30.3691,
46.0886

■ 29.1602, 33.2979,
46.4856

■ 32.8488, 36.5334,
46.9157

■ 37.0547, 40.0881,
47.3801

Harmonies

Analogous

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



12.9808, 18.3531, 35.9066



15.5252, 18.3531, 44.3192



18.9409, 18.3531, 45.0249

Triad

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



15.5252, 18.3531, 44.3192



24.7970, 18.3531, 16.0969



13.3068, 18.3531, 8.9629

Complementary

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



15.5252, 18.3531, 44.3192



19.2738, 11.6313, 1.2302

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.



16.0282, 18.3531, 6.5369



15.5252, 18.3531, 44.3192



22.8285, 18.3531, 9.6400

Square

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



15.5252, 18.3531, 44.3192



24.6152, 18.3531, 26.2549



19.5149, 18.3531, 6.7349



11.8215, 18.3531, 14.7997

Rectangle

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



15.5252, 18.3531, 44.3192



21.2912, 18.3531, 40.7822



19.5149, 18.3531, 6.7349



14.0907, 18.3531, 7.8241

Sweetspot

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



15.5259, 18.3537, 44.3197



51.8986, 59.3425, 83.2142



16.2403, 31.6518, 7.9666



10.7193, 12.3819, 17.9693



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.5259, 18.3537, 44.3197



27.6064, 32.4723, 79.3081



8.7406, 4.7831, 42.0579



8.5357, 9.2176, 10.8356



11.3012, 13.4027, 32.1283



0.4020, 0.5146, 1.0264

Inverse Universe

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



21.9629, 10.8803, 21.0217



39.2334, 19.4446, 37.1199



26.8950, 26.8736, 3.7706



8.7456, 8.6050, 10.1587



15.9390, 7.8931, 15.3704



0.5250, 0.2577, 0.6071

Previews

White Background



This preview shows how the XYZ color 15.5252, 18.3531, 44.3192 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 15.5252, 18.3531, 44.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

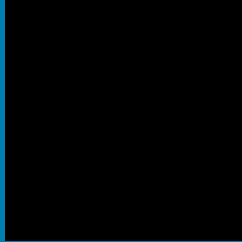
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5252, 18.3531, 44.3192

Background



This preview shows how black text looks on a background with the XYZ color 15.5252, 18.3531, 44.3192.

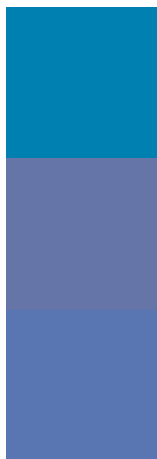


This preview shows how white text looks on a background with the XYZ color 15.5252, 18.3531,

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

15.5252, 18.3531, 44.3192

Protanopia

18.9087, 18.3745, 39.5958

Deuteranopia

18.7349, 18.3354, 45.1995



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

15.5252, 18.3531, 44.3192

Protanomaly

16.3680, 17.7388, 41.0893

Deuteranomaly

16.5606, 17.7590, 44.6745

Tritanomaly

13.8154, 18.2984, 33.3756

Monochromacy



Original Color

15.5252, 18.3531, 44.3192

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.8228, 12.9567, 21.3325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5252, 18.3531, 44.3192 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, 127, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 177)  
}
```

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, 127, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.5252, 18.3531, 44.3192 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, 127, 177) }
```


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

```
.border{ border-color:rgb(0, 127, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5252, 18.3531, 44.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 177) }
```

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

```
.background{ background-color: rgb(0, 127,  
177) }
```

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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