

Converting Colors

XYZ(15.3166, 22.4130, 30.4475)

Have a look what the booklet for
XYZ(15.3166, 22.4130, 30.4475)
contains.

XYZ(15.2362, 22.2951, 30.2884)	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(15.2362, 22.2951,
30.2884)**

Conversions

Conversions Part 1

Format	Color
Hex	009191
RGB	0, 145, 145
RGB Percent	0%, 57%, 57%
CMY	0.9999, 0.4314, 0.4314
CMYK	1.00, 0.00, 0.00, 0.43
HSL	180°, 100%, 28%
HSV	180°, 100%, 57%
XYZ	15.2362, 22.2951, 30.2884
YIQ	101.6450, -86.4200, -30.7400

Conversions

Conversions Part 2

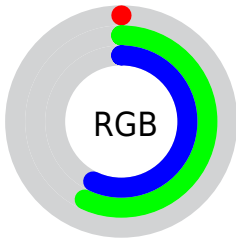
Format	Color
RYB	0, 73, 145
Decimal	37265
CIELab	54.34, -31.57, -9.28
CIELCh	54, 32.909, 196.386
Yxy	22.2951, 0.2247, 0.3287
Android (android.graphics.Color)	4278227345 (0xFF009191)
YUV	101.6450, 21.3740, -89.1427
Hunter-Lab	47.2177, -25.0326, -4.9800

Details

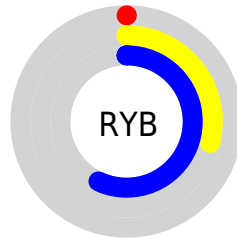
The XYZ color **15.2362, 22.2951, 30.2884** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.6778, 6.0204, 0.5472**, and the grayscale version is **12.5008, 13.1518, 14.3223**.

A 20% lighter version of the original color is **34.7567, 47.0451, 61.2816**, and **6.0683, 8.8316, 12.2113** is the 20% darker color. If you saturate the color by 10%, you get **15.2366, 22.2958, 30.2889**, and if you desaturate by 10%, it is **15.4259, 22.3934, 30.2978**.

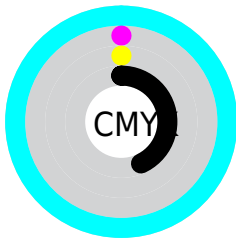
Distribution



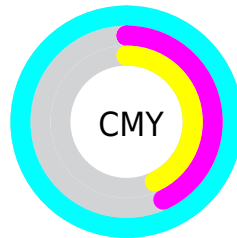
- Red (0%)
- Green (57%)
- Blue (57%)



- Red (0%)
- Yellow (29%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2362, 22.2951, 30.2884 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 15.2362, 22.2951, 30.2884 by changing the saturation by 10% instead.

■ 15.2362, 22.2951,
30.2884

■ 15.2362, 22.2951,
30.2884

■ 218.1516,
264.0835, 317.4955

■ 9.0727, 14.0739,
19.8037

■ 34.8353, 47.2333,
61.1844

■ 4.8461, 8.1721,
12.0698

■ 49.0016, 64.7190,
82.4327

■ 2.1911, 4.2053,
6.6681

■ 66.5662, 86.0617,
108.1060

■ 0.7380, 1.7890,
3.1801

■ 87.8945, 111.6458,
138.6227

■ 0.0000, 0.4803,
1.1873

■ 113.3519,
141.8556, 174.4015

■ 0.0000, 0.0000,
0.0000

■ 143.3036,

177.0755, 215.8609

178.1150,
217.6901, 263.4194

■ 15.2362, 22.2951,
30.2884

■ 15.2362, 22.2951,
30.2884

■ 15.2366, 22.2958,
30.2889

■ 15.4259, 22.3934,
30.2978

■ 15.7439, 22.5573,
30.3128

■ 16.2549, 22.8207,
30.3367

■ 16.9828, 23.1960,
30.3708

■ 17.9482, 23.6936,
30.4160

■ 19.1691, 24.3231,
30.4732

■ 20.6621, 25.0927,
30.5431

■ 22.4420, 26.0103,
30.6265

■ 24.5229, 27.0830,
30.7239

Harmonies

Analogous

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



15.1669, 22.2951, 19.9149



15.2362, 22.2951, 30.2884



16.7785, 22.2951, 41.5786

Triad

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



15.2362, 22.2951, 30.2884



26.5896, 22.2951, 40.6181



22.8568, 22.2951, 9.6889

Complementary

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



15.2362, 22.2951, 30.2884



11.6778, 6.0204, 0.5472

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.



26.3159, 22.2951, 12.5946



15.2362, 22.2951, 30.2884



28.6297, 22.2951, 29.2305

Square

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



15.2362, 22.2951, 30.2884



23.1977, 22.2951, 48.5991



28.5242, 22.2951, 19.1163



19.3031, 22.2951, 9.8237

Rectangle

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



15.2362, 22.2951, 30.2884



18.5452, 22.2951, 47.2582



28.5242, 22.2951, 19.1163



24.0768, 22.2951, 10.2972

Sweetspot

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



15.2369, 22.2959, 30.2889



36.8156, 44.8401, 54.6879



10.1563, 20.2672, 3.3772



7.9568, 9.8549, 12.1550



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.2369, 22.2959, 30.2889



27.2857, 39.9273, 54.2414



7.6224, 7.0668, 27.7512



5.5603, 6.1163, 6.9163



13.0686, 19.1233, 25.9791



0.1249, 0.1828, 0.2484

Inverse Universe

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



11.6778, 6.0204, 0.5472



20.9119, 10.7805, 0.9787



13.8736, 10.4121, 1.2791



5.4089, 5.4241, 5.6513



10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 15.2362, 22.2951, 30.2884 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 15.2362, 22.2951, 30.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

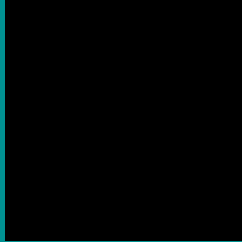
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2362, 22.2951, 30.2884

Background



This preview shows how black text looks on a background with the XYZ color 15.2362, 22.2951, 30.2884.

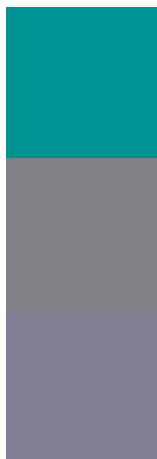


This preview shows how white text looks on a background with the XYZ color 15.2362, 22.2951,

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

15.2362, 22.2951, 30.2884

Protanopia

21.4294, 22.1956, 26.0764

Deuteranopia

22.4014, 21.9972, 31.4990



Tritanopia

16.1649, 22.2311, 34.4494

Trichromacy



Original Color

15.2362, 22.2951, 30.2884

Protanomaly

16.8915, 21.0310, 27.5952

Deuteranomaly

17.3890, 20.7980, 31.1149

Tritanomaly

15.7903, 22.3001, 32.7503

Monochromacy



Original Color

15.2362, 22.2951, 30.2884

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9284, 15.3887, 19.4812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2362, 22.2951, 30.2884 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, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 145)  
}
```

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, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.2362, 22.2951, 30.2884 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, 145, 145) }
```


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

```
.border{ border-color:rgb(0, 145, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2362, 22.2951, 30.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 145) }
```

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

```
.background{ background-color: rgb(0, 145,  
145) }
```

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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