

Converting Colors

XYZ(9.5090, 19.4851, 32.9391)

Have a look what the booklet for
XYZ(9.5090, 19.4851, 32.9391)
contains.

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Color

**XYZ(15.9464, 22.8248,
33.2709)**

Conversions

Conversions Part 1

Format	Color
Hex	009298
RGB	0, 146, 152
RGB Percent	0%, 57%, 60%
CMY	0.9999, 0.4274, 0.4039
CMYK	1.00, 0.04, 0.00, 0.40
HSL	182°, 100%, 30%
HSV	182°, 100%, 60%
XYZ	15.9464, 22.8248, 33.2709
YIQ	103.0300, -88.9420, -29.0860

Conversions

Conversions Part 2

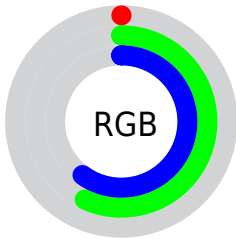
Format	Color
RYB	0, 74, 152
Decimal	37528
CIELab	54.89, -29.80, -12.48
CIElCh	55, 32.307, 202.730
Yxy	22.8248, 0.2213, 0.3168
Android (android.graphics.Color)	4278227608 (0xFF009298)
YUV	103.0300, 24.1422, -90.3573
Hunter-Lab	47.7753, -24.0272, -7.8471

Details

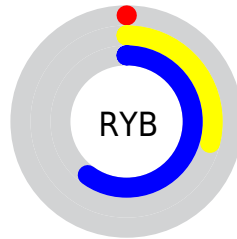
The XYZ color **15.9464, 22.8248, 33.2709** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.0146, 6.8063, 0.6285**, and the grayscale version is **12.8573, 13.5269, 14.7308**.

A 20% lighter version of the original color is **35.9147, 47.8886, 65.7430**, and **6.4412, 9.1240, 13.7335** is the 20% darker color. If you saturate the color by 10%, you get **15.9466, 22.8252, 33.2714**, and if you desaturate by 10%, it is **16.2402, 23.1144, 33.3117**.

Distribution



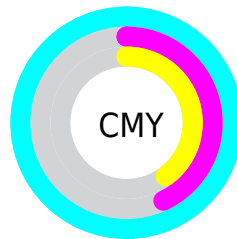
- Red (0%)
- Green (57%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (43%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9464, 22.8248, 33.2709 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 15.9464, 22.8248, 33.2709 by changing the saturation by 10% instead.

■ 15.9464, 22.8248,
33.2709

■ 15.9464, 22.8248,
33.2709

222.3018,
266.8239, 331.5380

■ 9.5768, 14.4642,
22.0612

■ 36.0633, 48.1055,
65.9191

■ 5.1794, 8.4442,
13.7032

■ 50.5414, 65.7944,
88.1948

■ 2.3887, 4.3805,
7.7781

■ 68.4530, 87.3614,
114.9961

■ 0.8395, 1.8886,
3.8676

■ 90.1636, 113.1911,
146.7418

■ 0.0000, 0.5415,
1.5530

■ 116.0383,
143.6678, 183.8503

■ 0.0000, 0.0000,
0.2569

■ 146.4428,

■ 0.0000, 0.0000,

179.1759, 226.7401

0.0000

181.7421,
220.0998, 275.8298

■ 15.9464, 22.8248,
33.2709

■ 15.9464, 22.8248,
33.2709

■ 15.9466, 22.8252,
33.2714

■ 16.2402, 23.1144,
33.3117

■ 16.6807, 23.4798,
33.3591

■ 17.3364, 23.9570,
33.4166

■ 18.2344, 24.5598,
33.4856

■ 19.3978, 25.3001,
33.5672

■ 20.8471, 26.1885,
33.6623

■ 22.6007, 27.2345,
33.7718

■ 24.6754, 28.4468,
33.8964

■ 27.0869, 29.8335,
34.0370

Harmonies

Analogous

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



15.5594, 22.8248, 22.4409



15.9464, 22.8248, 33.2709



17.7884, 22.8248, 44.0648

Triad

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



15.9464, 22.8248, 33.2709



27.6438, 22.8248, 38.7985



22.5768, 22.8248, 9.9814

Complementary

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



15.9464, 22.8248, 33.2709



13.0146, 6.8063, 0.6285

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.



26.1338, 22.8248, 12.2372



15.9464, 22.8248, 33.2709



29.2609, 22.8248, 27.4306

Square

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



15.9464, 22.8248, 33.2709



24.4631, 22.8248, 47.8201



28.6800, 22.8248, 17.9891



19.1427, 22.8248, 10.7471

Rectangle

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



15.9464, 22.8248, 33.2709



19.7149, 22.8248, 48.8202



28.6800, 22.8248, 17.9891



23.8019, 22.8248, 10.3841

Sweetspot

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



15.9471, 22.8256, 33.2715



39.6907, 47.9522, 59.5975



11.2566, 22.4681, 3.8897



8.7364, 10.7300, 13.5281



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.9471, 22.8256, 33.2715



28.1153, 40.2247, 58.7160



7.9177, 6.7669, 30.5950



6.3637, 6.9847, 7.9418



13.3762, 19.1491, 27.8989



0.2055, 0.2974, 0.4189

Inverse Universe

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



18.1378, 8.7514, 27.9283



31.9980, 15.4395, 49.2103



15.8975, 12.5721, 1.5895



6.4507, 6.3194, 7.7534



15.2105, 7.3384, 23.4311



0.2302, 0.1108, 0.3651

Previews

White Background



This preview shows how the XYZ color 15.9464, 22.8248, 33.2709 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 15.9464, 22.8248, 33.2709 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

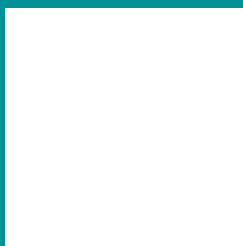
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9464, 22.8248, 33.2709

Background



This preview shows how black text looks on a background with the XYZ color 15.9464, 22.8248, 33.2709.



This preview shows how white text looks on a background with the XYZ color 15.9464, 22.8248,

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

15.9464, 22.8248, 33.2709

Protanopia

22.0710, 22.6641, 28.8025

Deuteranopia

23.0800, 22.6639, 34.6106



Tritanopia

16.4798, 22.8236, 35.4351

Trichromacy



Original Color

15.9464, 22.8248, 33.2709

Protanomaly

17.5597, 21.5226, 30.4229

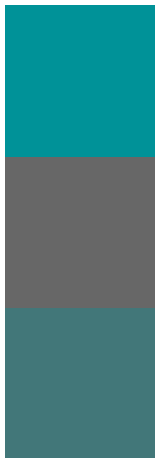
Deuteranomaly

18.1476, 21.5335, 34.2102

Tritanomaly

16.1934, 22.6955, 34.5375

Monochromacy



Original Color

15.9464, 22.8248, 33.2709

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2948, 15.7324, 20.4778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9464, 22.8248, 33.2709 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, 146, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 152)  
}
```

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, 146, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.9464, 22.8248, 33.2709 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, 146, 152) }
```


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

```
.border{ border-color:rgb(0, 146, 152) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9464, 22.8248, 33.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 152) }
```

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

```
.background{ background-color: rgb(0, 146,  
152) }
```

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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