

Converting Colors

XYZ(12.6943, 21.3206, 27.2509)

Have a look what the booklet for
XYZ(12.6943, 21.3206, 27.2509)
contains.

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Color

**XYZ(14.7942, 22.3639,
27.2038)**

Conversions

Conversions Part 1

Format	Color
Hex	009289
RGB	0, 146, 137
RGB Percent	0%, 57%, 54%
CMY	0.9999, 0.4274, 0.4627
CMYK	1.00, 0.00, 0.06, 0.43
HSL	176°, 100%, 29%
HSV	176°, 100%, 57%
XYZ	14.7942, 22.3639, 27.2038
YIQ	101.3200, -84.1270, -33.7510

Conversions

Conversions Part 2

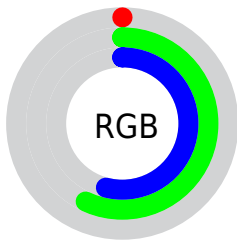
Format	Color
RYB	0, 75, 146
Decimal	37513
CIELab	54.41, -34.54, -4.57
CIELCh	54, 34.836, 187.534
Yxy	22.3639, 0.2299, 0.3475
Android (android.graphics.Color)	4278227593 (0xFF009289)
YUV	101.3200, 17.5902, -88.8576
Hunter-Lab	47.2905, -26.9170, -1.0032

Details

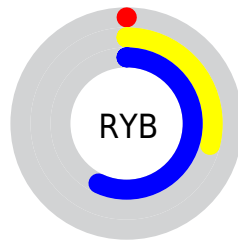
The XYZ color **14.7942, 22.3639, 27.2038** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.9040, 6.1313, 0.8150**, and the grayscale version is **12.4253, 13.0724, 14.2359**.

A 20% lighter version of the original color is **34.1114, 47.5172, 56.0891**, and **5.8125, 8.8725, 10.4230** is the 20% darker color. If you saturate the color by 10%, you get **14.7946, 22.3646, 27.2040**, and if you desaturate by 10%, it is **15.0503, 22.4889, 27.5548**.

Distribution



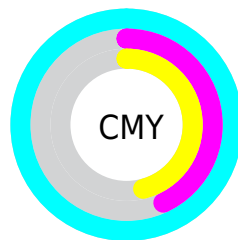
- Red (0%)
- Green (57%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7942, 22.3639, 27.2038 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 14.7942, 22.3639, 27.2038 by changing the saturation by 10% instead.

■ 14.7942, 22.3639,
27.2038

■ 14.7942, 22.3639,
27.2038

■ 215.5303,
264.4408, 302.4339

■ 8.7605, 14.1245,
17.4926

■ 34.0664, 47.3467,
56.2184

■ 4.6411, 8.2073,
10.4206

■ 48.0355, 64.8589,
76.3589

■ 2.0708, 4.2279,
5.5695

■ 65.3805, 86.2309,
100.8129

■ 0.6733, 1.8018,
2.5206

■ 86.4666, 111.8470,
129.9988

■ 0.0000, 0.4883,
0.8510

■ 111.6593,
142.0917, 164.3354

■ 0.0000, 0.0000,
0.0000

■ 141.3240,

177.3493, 204.2411

175.8258,
218.0042, 250.1344

■ 14.7942, 22.3639,
27.2038

■ 14.7942, 22.3639,
27.2038

■ 14.7946, 22.3646,
27.2040

■ 15.0503, 22.4889,
27.5548

■ 15.4378, 22.6811,
27.9143

■ 16.0217, 22.9745,
28.2859

■ 16.8266, 23.3818,
28.6706

■ 17.8734, 23.9137,
29.0694

■ 19.1804, 24.5796,
29.4833

■ 20.7643, 25.3883,
29.9130

■ 22.6404, 26.3476,
30.3592

■ 24.8230, 27.4647,
30.8226

Harmonies

Analogous

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



15.1842, 22.3639, 17.1862



14.7942, 22.3639, 27.2038



15.9641, 22.3639, 39.4846

Triad

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



14.7942, 22.3639, 27.2038



26.0347, 22.3639, 45.0435



24.1778, 22.3639, 9.6616

Complementary

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



14.7942, 22.3639, 27.2038



11.9040, 6.1313, 0.8150

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.



27.6050, 22.3639, 13.6818



14.7942, 22.3639, 27.2038



28.7632, 22.3639, 33.2716

Square

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



14.7942, 22.3639, 27.2038



22.2305, 22.3639, 51.6050



29.3697, 22.3639, 21.7040



20.3109, 22.3639, 8.9201

Rectangle

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



14.7942, 22.3639, 27.2038



17.5642, 22.3639, 46.6648



29.3697, 22.3639, 21.7040



25.4324, 22.3639, 10.6004

Sweetspot

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



14.7949, 22.3647, 27.2043



36.4420, 44.6907, 52.7205



10.4013, 20.6214, 3.4326



7.8636, 9.8176, 11.6645



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.



14.7949, 22.3647, 27.2043



26.0754, 39.4432, 47.8680



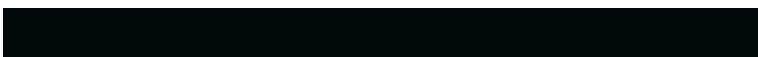
8.2622, 8.2225, 28.3467



5.9488, 6.5561, 7.3415



13.0219, 19.6815, 23.9546



0.1631, 0.2424, 0.3130

Inverse Universe

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



11.9040, 6.1313, 0.8150



20.9761, 10.8061, 1.3165



13.6474, 9.6970, 1.1529



5.8144, 5.8208, 6.1290



10.4782, 5.3963, 0.7331



0.1311, 0.0672, 0.0241

Previews

White Background



This preview shows how the XYZ color 14.7942, 22.3639, 27.2038 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 14.7942, 22.3639, 27.2038 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 14.7942, 22.3639, 27.2038

Background



This preview shows how black text looks on a background with the XYZ color 14.7942, 22.3639, 27.2038.



This preview shows how white text looks on a background with the XYZ color 14.7942, 22.3639,

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

14.7942, 22.3639, 27.2038

Protanopia

21.1967, 22.1384, 23.2346

Deuteranopia

22.5851, 22.1632, 28.2869



Tritanopia

16.3985, 22.3516, 34.4603

Trichromacy



Original Color

14.7942, 22.3639, 27.2038

Protanomaly

16.4169, 20.8515, 24.6322

Deuteranomaly

17.0516, 20.6947, 27.9067

Tritanomaly

15.6494, 22.2552, 31.4878

Monochromacy



Original Color

14.7942, 22.3639, 27.2038

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.5129, 15.0275, 18.2134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7942, 22.3639, 27.2038 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 137) }
```

Border

The CSS property to change the border of an element to XYZ 14.7942, 22.3639, 27.2038 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, 137) }
```


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

```
.border{ border-color:rgb(0, 146, 137) }
```

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, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7942, 22.3639, 27.2038 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, 137) }
```

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

```
.background{ background-color: rgb(0, 146,  
137) }
```

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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