

Converting Colors

XYZ(32.2745, 46.4820, 72.8241)

Have a look what the booklet for
XYZ(32.2745, 46.4820, 72.8241)
contains.

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Color

**XYZ(33.6449, 47.2508,
72.9927)**

Conversions

Conversions Part 1

Format	Color
Hex	00CAD9
RGB	0, 202, 217
RGB Percent	0%, 79%, 85%
CMY	0.9998, 0.2078, 0.1490
CMYK	1.00, 0.07, 0.00, 0.15
HSL	184°, 100%, 43%
HSV	184°, 100%, 85%
XYZ	33.6449, 47.2508, 72.9927
YIQ	143.3120, -125.2070, -38.1590

Conversions

Conversions Part 2

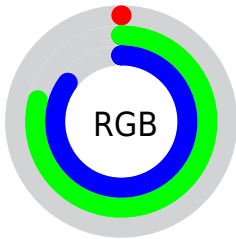
Format	Color
RYB	0, 105, 217
Decimal	51929
CIELab	74.35, -35.74, -19.26
CIELCh	74, 40.604, 208.323
Yxy	47.2508, 0.2186, 0.3070
Android (android.graphics.Color)	4278242009 (0xFF00CAD9)
YUV	143.3120, 36.3282, -125.6846
Hunter-Lab	68.7392, -32.9255, -14.8413

Details

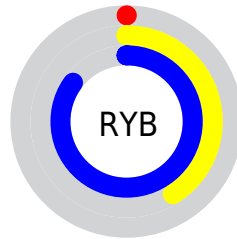
The XYZ color **33.6449, 47.2508, 72.9927** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.7875, 15.0951, 1.3979**, and the grayscale version is **26.1350, 27.4960, 29.9432**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.9553, 23.4761, 37.8201** is the 20% darker color. If you saturate the color by 10%, you get **33.6449, 47.2505, 72.9935**, and if you desaturate by 10%, it is **34.3249, 48.1274, 73.1270**.

Distribution



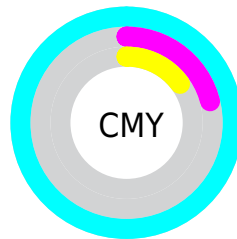
- Red (0%)
- Green (79%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6449, 47.2508, 72.9927 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 33.6449, 47.2508, 72.9927 by changing the saturation by 10% instead.

33.6449, 47.2508,
72.9927

33.6449, 47.2508,
72.9927

310.1596,
375.8147, 490.0596

22.7825, 33.2340,
53.4782

64.7290, 86.0879,
125.1877

14.5528, 22.3057,
37.7943

85.6815, 111.6769,
158.7052

8.5904, 14.0817,
25.5225

110.7281,
141.8921, 197.7275

4.5300, 8.1775,
16.2442

140.2341,
177.1179, 242.6732

2.0061, 4.2088,
9.5409

174.5649,
217.7387, 293.9607

0.6374, 1.7910,
4.9940

214.0858,

0.0000, 0.4816,

264.1388, 352.0085

2.1851

259.1623,
316.7027, 417.2353

■ 0.0000, 0.0000,
0.6657

■ 0.0000, 0.0000,
0.0000

■ 33.6449, 47.2508,
72.9927

■ 33.6449, 47.2508,
72.9927

■ 33.6449, 47.2505,
72.9935

■ 34.3249, 48.1274,
73.1270

■ 35.3720, 49.1974,
73.2783

■ 36.9073, 50.5242,
73.4535

■ 38.9980, 52.1425,
73.6556

■ 41.7006, 54.0813,
73.8874

■ 45.0646, 56.3662,
74.1512

■ 49.1344, 59.0202,
74.4489

■ 53.9506, 62.0641,
74.7826

■ 59.5507, 65.5173,
75.1540

Harmonies

Analogous

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



32.2816, 47.2508, 50.2795



33.6449, 47.2508, 72.9927



37.9302, 47.2508, 93.8413

Triad

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



33.6449, 47.2508, 72.9927



57.9572, 47.2508, 75.5984



45.3229, 47.2508, 20.8020

Complementary

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



33.6449, 47.2508, 72.9927



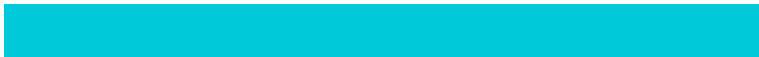
28.7875, 15.0951, 1.3979

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.



52.6985, 47.2508, 24.2440



33.6449, 47.2508, 72.9927



60.4661, 47.2508, 52.6347

Square

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



33.6449, 47.2508, 72.9927



51.9102, 47.2508, 95.6103



58.4459, 47.2508, 34.6242



38.5701, 47.2508, 23.5379

Rectangle

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



33.6449, 47.2508, 72.9927



42.1269, 47.2508, 101.7587



58.4459, 47.2508, 34.6242



47.8141, 47.2508, 21.2511

Sweetspot

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



33.6464, 47.2525, 72.9939



70.6210, 84.9361, 107.2799



24.8967, 49.6599, 8.7072



14.5571, 17.8187, 22.9221



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.6464, 47.2525, 72.9939



48.4417, 68.0034, 105.1806



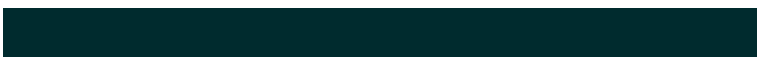
16.5335, 13.0268, 67.2896



13.3638, 14.6674, 16.7789



20.3986, 28.6667, 44.1965



1.3451, 1.9044, 2.8711

Inverse Universe

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



39.2772, 19.0174, 57.4794



56.5803, 27.3961, 82.7110



35.6977, 28.9154, 3.7013



13.5735, 13.2585, 16.2813



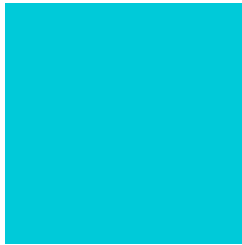
23.7916, 11.5177, 34.8783



1.5533, 0.7509, 2.3224

Previews

White Background



This preview shows how the XYZ color 33.6449, 47.2508, 72.9927 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.6449, 47.2508, 72.9927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

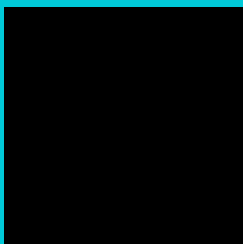
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

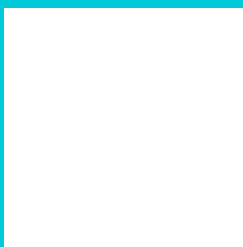
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6449, 47.2508, 72.9927

Background



This preview shows how black text looks on a background with the XYZ color 33.6449, 47.2508, 72.9927.

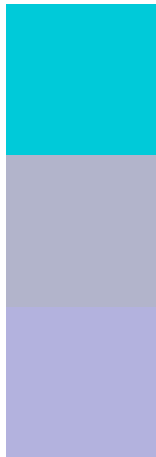


This preview shows how white text looks on a background with the XYZ color 33.6449, 47.2508,

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

33.6449, 47.2508, 72.9927

Protanopia

45.4608, 46.4193, 63.0637

Deuteranopia

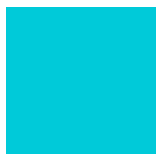
47.6956, 46.6984, 75.6071



Tritanopia

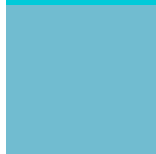
33.9270, 47.3812, 73.6870

Trichromacy



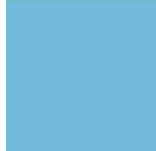
Original Color

33.6449, 47.2508, 72.9927



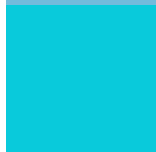
Protanomaly

36.1784, 44.0312, 66.2666



Deuteranomaly

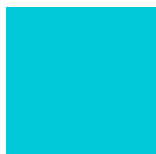
37.6280, 44.2854, 74.2749



Tritanomaly

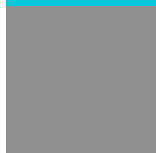
33.8756, 47.3546, 73.6846

Monochromacy



Original Color

33.6449, 47.2508, 72.9927



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.8455, 31.6773, 42.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6449, 47.2508, 72.9927 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, 202, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 217)  
}
```

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, 202, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.6449, 47.2508, 72.9927 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, 202, 217) }
```


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

```
.border{ border-color:rgb(0, 202, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6449, 47.2508, 72.9927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 217) }
```

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

```
.background{ background-color: rgb(0, 202,  
217) }
```

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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