

Converting Colors

XYZ(14.7631, 21.4392, 29.0931)

Have a look what the booklet for
XYZ(14.7631, 21.4392, 29.0931)
contains.

XYZ(14.7071, 21.3772, 28.9422)	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(14.7071, 21.3772,
28.9422)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8E8E
RGB	12, 142, 142
RGB Percent	5%, 56%, 56%
CMY	0.9529, 0.4431, 0.4431
CMYK	0.92, 0.00, 0.00, 0.44
HSL	180°, 84%, 30%
HSV	180°, 92%, 56%
XYZ	14.7071, 21.3772, 28.9422
YIQ	103.1300, -77.4800, -27.5600

Conversions

Conversions Part 2

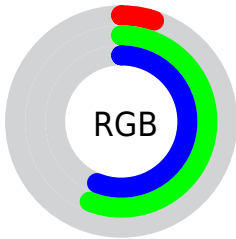
Format	Color
RYB	12, 77, 142
Decimal	822926
CIELab	53.36, -30.53, -9.01
CIELCh	53, 31.835, 196.437
Yxy	21.3772, 0.2262, 0.3287
Android (android.graphics.Color)	4279013006 (0xFF0C8E8E)
YUV	103.1300, 19.1629, -79.9210
Hunter-Lab	46.2355, -24.1328, -4.7491

Details

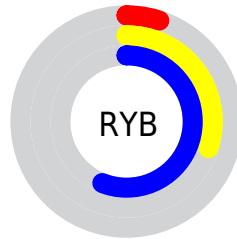
The XYZ color **14.7071, 21.3772, 28.9422** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.3539, 6.0409, 0.9160**, and the grayscale version is **12.8937, 13.5651, 14.7724**.

A 20% lighter version of the original color is **33.9202, 45.6390, 59.2460**, and **5.6729, 8.2549, 11.4196** is the 20% darker color. If you saturate the color by 10%, you get **14.5559, 21.2997, 28.9356**, and if you desaturate by 10%, it is **14.9875, 21.5222, 28.9559**.

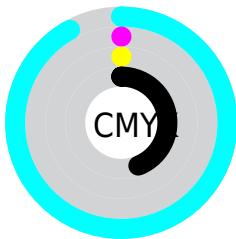
Distribution



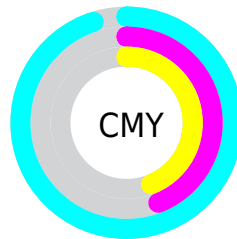
- Red (5%)
- Green (56%)
- Blue (56%)



- Red (5%)
- Yellow (30%)
- Blue (56%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (44%)



- Cyan (95%)
- Magenta (44%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7071, 21.3772, 28.9422 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 14.7071, 21.3772, 28.9422 by changing the saturation by 10% instead.

■ 14.7071, 21.3772,
28.9422

■ 14.7071, 21.3772,
28.9422

■ 215.0102,
259.2764, 310.9945

■ 8.6991, 13.4000,
18.7919

■ 33.9144, 45.7145,
59.0263

■ 4.6009, 7.7046,
11.3447

■ 47.8444, 62.8433,
79.7972

■ 2.0474, 3.9065,
6.1821

■ 65.1457, 83.7915,
104.9454

■ 0.6604, 1.6214,
2.8856

■ 86.1838, 108.9434,
134.8894

■ 0.0000, 0.3720,
1.0365

■ 111.3239,
138.6835, 170.0478

■ 0.0000, 0.0000,
0.0000

■ 140.9314,

173.3961, 210.8391

175.3717,
213.4656, 257.6818

■ 14.7071, 21.3772,
28.9422

■ 14.7071, 21.3772,
28.9422

■ 14.5559, 21.2997,
28.9356

■ 14.9875, 21.5222,
28.9559

■ 15.4473, 21.7592,
28.9774

■ 16.1106, 22.1012,
29.0086

■ 16.9973, 22.5583,
29.0501

■ 18.1248, 23.1395,
29.1029

■ 19.5090, 23.8531,
29.1678

■ 21.1643, 24.7065,
29.2453

■ 23.1040, 25.7064,
29.3361

■ 25.3407, 26.8595,
29.4409

Harmonies

Analogous

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



14.6393, 21.3772, 19.1832



14.7071, 21.3772, 28.9422



16.1655, 21.3772, 39.5114

Triad

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



14.7071, 21.3772, 28.9422



25.3939, 21.3772, 38.5807



21.8789, 21.3772, 9.4786

Complementary

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



14.7071, 21.3772, 28.9422



11.3539, 6.0409, 0.9160

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.



25.1278, 21.3772, 12.2375



14.7071, 21.3772, 28.9422



27.3038, 21.3772, 27.9134

Square

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



14.7071, 21.3772, 28.9422



22.2109, 21.3772, 46.0452



27.2013, 21.3772, 18.4025



18.5366, 21.3772, 9.6118

Rectangle

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



14.7071, 21.3772, 28.9422



17.8325, 21.3772, 44.8110



27.2013, 21.3772, 18.4025



23.0251, 21.3772, 10.0567

Sweetspot

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



14.7077, 21.3780, 28.9427



35.5033, 42.6296, 51.4847



9.9238, 19.4681, 3.5830



7.7462, 9.4268, 11.4906



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.7077, 21.3780, 28.9427



25.6671, 37.5589, 51.0235



7.8432, 7.6487, 26.6551



5.5603, 6.1163, 6.9163



13.0686, 19.1233, 25.9789



0.1249, 0.1828, 0.2484

Inverse Universe

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



11.3539, 6.0409, 0.9160



19.6715, 10.1410, 0.9207



13.7276, 10.7885, 1.7072



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 14.7071, 21.3772, 28.9422 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 14.7071, 21.3772, 28.9422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

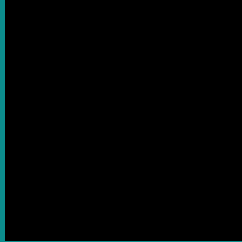
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7071, 21.3772, 28.9422

Background



This preview shows how black text looks on a background with the XYZ color 14.7071, 21.3772, 28.9422.

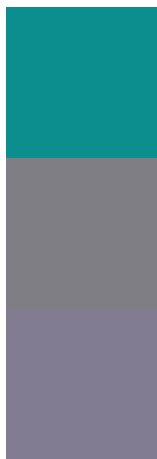


This preview shows how white text looks on a background with the XYZ color 14.7071, 21.3772,

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

14.7071, 21.3772, 28.9422

Protanopia

20.3781, 21.0997, 24.8284

Deuteranopia

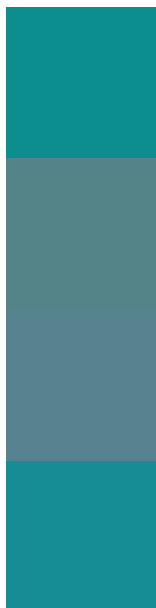
21.6019, 21.2365, 30.1546



Tritanopia

15.5245, 21.2700, 32.9931

Trichromacy



Original Color

14.7071, 21.3772, 28.9422

Protanomaly

16.4415, 20.2114, 26.3272

Deuteranomaly

17.1576, 20.3032, 29.8027

Tritanomaly

15.2010, 21.3584, 31.3384

Monochromacy



Original Color

14.7071, 21.3772, 28.9422

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0980, 15.3090, 19.1469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7071, 21.3772, 28.9422 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(12, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(12, 142, 142)  
}
```

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(12, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 142, 142) }
```

Border

The CSS property to change the border of an element to XYZ 14.7071, 21.3772, 28.9422 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(12, 142, 142) }
```


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

```
.border{ border-color:rgb(12, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 142, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 142, 142); box-shadow:4px 4px 4px 4px rgb(12, 142, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7071, 21.3772, 28.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 142, 142) }
```

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

```
.background{ background-color: rgb(12, 142,  
142) }
```

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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