

Converting Colors

XYZ(13.2014, 21.0003, 32.1721)

Have a look what the booklet for
XYZ(13.2014, 21.0003, 32.1721)
contains.

XYZ(15.4783, 22.1485, 32.3135)	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(15.4783, 22.1485,
32.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	009096
RGB	0, 144, 150
RGB Percent	0%, 56%, 59%
CMY	0.9999, 0.4353, 0.4118
CMYK	1.00, 0.04, 0.00, 0.41
HSL	182°, 100%, 29%
HSV	182°, 100%, 59%
XYZ	15.4783, 22.1485, 32.3135
YIQ	101.6280, -87.7500, -28.6620

Conversions

Conversions Part 2

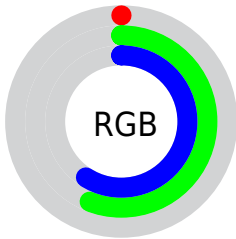
Format	Color
RYB	0, 73, 150
Decimal	37014
CIELab	54.18, -29.47, -12.40
CIELCh	54, 31.976, 202.812
Yxy	22.1485, 0.2213, 0.3167
Android (android.graphics.Color)	4278227094 (0xFF009096)
YUV	101.6280, 23.8474, -89.1278
Hunter-Lab	47.0622, -23.6519, -7.7657




Details

The XYZ color **15.4783, 22.1485, 32.3135** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.6434, 6.6150, 0.6112**, and the grayscale version is **12.4909, 13.1414, 14.3110**.




A 20% lighter version of the original color is **35.2130, 46.8716, 64.3180**, and **6.1665, 8.7296, 13.1643** is the 20% darker color. If you saturate the color by 10%, you get **15.4785, 22.1488, 32.3140**, and if you desaturate by 10%, it is **15.7672, 22.4332, 32.3536**.

Distribution







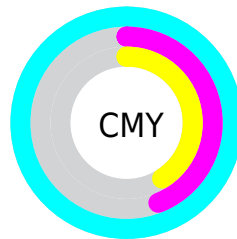
-  Red (0%)
-  Green (56%)
-  Blue (59%)






-  Red (0%)
-  Yellow (29%)
-  Blue (59%)



-  Cyan (100%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (41%)



-  Cyan (100%)
-  Magenta (44%)
-  Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4783, 22.1485, 32.3135 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 15.4783, 22.1485, 32.3135 by changing the saturation by 10% instead.

■ 15.4783, 22.1485,
32.3135

■ 15.4783, 22.1485,
32.3135

■ 219.5747,
263.3208, 327.0815

■ 9.2442, 13.9661,
21.3343

■ 35.2549, 46.9913,
64.4058

■ 4.9592, 8.0971,
13.1749

■ 49.5282, 64.4205,
86.3560

■ 2.2579, 4.1571,
7.4170

■ 67.2119, 85.7007,
112.8003

■ 0.7730, 1.7618,
3.6418

■ 88.6714, 111.2163,
144.1572

■ 0.0000, 0.4632,
1.4310

■ 114.2721,
141.3517, 180.8452

■ 0.0000, 0.0000,
0.1657

■ 144.3793,

■ 0.0000, 0.0000,

176.4913, 223.2829

0.0000

179.3584,
217.0196, 271.8888

■ 15.4783, 22.1485,
32.3135

■ 15.4783, 22.1485,
32.3135

■ 15.4785, 22.1488,
32.3140

■ 15.7672, 22.4332,
32.3536

■ 16.1976, 22.7910,
32.4000

■ 16.8368, 23.2573,
32.4563

■ 17.7112, 23.8455,
32.5238

■ 18.8429, 24.5670,
32.6034

■ 20.2518, 25.4322,
32.6962

■ 21.9556, 26.4502,
32.8028

■ 23.9707, 27.6294,
32.9242

■ 26.3123, 28.9775,
33.0610

Harmonies

Analogous

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



15.0988, 22.1485, 21.8021



15.4783, 22.1485, 32.3135



17.2690, 22.1485, 42.7775

Triad

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



15.4783, 22.1485, 32.3135



26.8299, 22.1485, 37.6152



21.8978, 22.1485, 9.6866

Complementary

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



15.4783, 22.1485, 32.3135



12.6434, 6.6150, 0.6112

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.



25.3495, 22.1485, 11.8668



15.4783, 22.1485, 32.3135



28.3932, 22.1485, 26.5879

Square

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



15.4783, 22.1485, 32.3135



23.7471, 22.1485, 46.3793



27.8237, 22.1485, 17.4372



18.5680, 22.1485, 10.4375

Rectangle

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



15.4783, 22.1485, 32.3135



19.1399, 22.1485, 47.3787



27.8237, 22.1485, 17.4372



23.0863, 22.1485, 10.0746

Sweetspot

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



15.4790, 22.1493, 32.3140



38.5478, 46.5607, 57.8767



10.9344, 21.8242, 3.7805



8.2784, 10.1615, 12.8099



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4790, 22.1493, 32.3140



27.2841, 39.0240, 57.0156



7.6965, 6.5843, 29.7199



5.9444, 6.5229, 7.4155



12.8431, 18.3809, 26.8020



0.1622, 0.2349, 0.3297

Inverse Universe

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



17.6123, 8.4984, 27.0984



31.0648, 14.9901, 47.7371



15.4476, 12.2234, 1.5459



6.0254, 5.9052, 7.2399



14.6097, 7.0489, 22.4893



0.1813, 0.0873, 0.2885

Previews

White Background



This preview shows how the XYZ color 15.4783, 22.1485, 32.3135 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 15.4783, 22.1485, 32.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

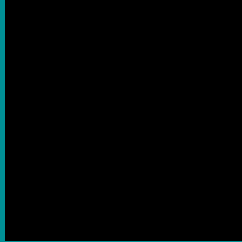
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.4783, 22.1485, 32.3135

Background



This preview shows how black text looks on a background with the XYZ color 15.4783, 22.1485, 32.3135.



This preview shows how white text looks on a background with the XYZ color 15.4783, 22.1485,

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

15.4783, 22.1485, 32.3135

Protanopia

21.3549, 21.9210, 27.9166

Deuteranopia

22.3468, 21.9219, 33.6254



Tritanopia

16.0074, 22.1499, 34.4420

Trichromacy



Original Color

15.4783, 22.1485, 32.3135

Protanomaly

16.9525, 20.8131, 29.5094

Deuteranomaly

17.6170, 20.8688, 33.2366

Tritanomaly

15.7238, 22.0230, 33.5591

Monochromacy



Original Color

15.4783, 22.1485, 32.3135

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.8710, 15.1783, 19.7568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4783, 22.1485, 32.3135 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, 144, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 150)  
}
```

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, 144, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 150) }
```

Border

The CSS property to change the border of an element to XYZ 15.4783, 22.1485, 32.3135 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, 144, 150) }
```


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

```
.border{ border-color:rgb(0, 144, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4783, 22.1485, 32.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 150) }
```

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

```
.background{ background-color: rgb(0, 144,  
150) }
```

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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