

Converting Colors

XYZ(13.1221, 25.2440, 42.7226)

Have a look what the booklet for
XYZ(13.1221, 25.2440, 42.7226)
contains.

XYZ(20.4479, 29.1347, 43.0739)	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(20.4479, 29.1347,
43.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3AB
RGB	0, 163, 171
RGB Percent	0%, 64%, 67%
CMY	0.9999, 0.3608, 0.3294
CMYK	1.00, 0.05, 0.00, 0.33
HSL	183°, 100%, 34%
HSV	183°, 100%, 67%
XYZ	20.4479, 29.1347, 43.0739
YIQ	115.1750, -99.7160, -32.0680

Conversions

Conversions Part 2

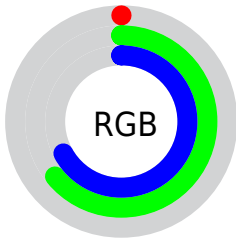
Format	Color
RYB	0, 83, 171
Decimal	41899
CIELab	60.90, -31.87, -14.23
CIElCh	61, 34.902, 204.065
Yxy	29.1347, 0.2207, 0.3144
Android (android.graphics.Color)	4278231979 (0xFF00A3AB)
YUV	115.1750, 27.5217, -101.0085
Hunter-Lab	53.9766, -26.8380, -9.5305

Details

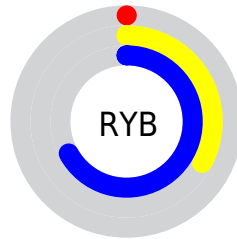
The XYZ color **20.4479, 29.1347, 43.0739** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8822, 8.8324, 0.8159**, and the grayscale version is **16.2928, 17.1412, 18.6668**.

A 20% lighter version of the original color is **43.5182, 58.0667, 80.8658**, and **9.0142, 12.7008, 19.4292** is the 20% darker color. If you saturate the color by 10%, you get **20.4481, 29.1350, 43.0745**, and if you desaturate by 10%, it is **20.8244, 29.5410, 43.1330**.

Distribution



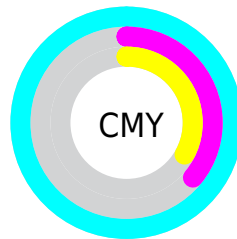
- Red (0%)
- Green (64%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4479, 29.1347, 43.0739 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 20.4479, 29.1347, 43.0739 by changing the saturation by 10% instead.

■ 20.4479, 29.1347,
43.0739

■ 20.4479, 29.1347,
43.0739

■ 247.1173,
297.8500, 374.8457

■ 12.8312, 19.1827,
29.6113

■ 43.6651, 58.2910,
81.1099

■ 7.3886, 11.8024,
19.2942

■ 59.9963, 78.2642,
106.5204

■ 3.7548, 6.6093,
11.7041

■ 79.9630, 102.3465,
136.7506

■ 1.5644, 3.2190,
6.4224

■ 103.9307,
130.9225, 172.2190

■ 0.3690, 1.2471,
3.0307

■ 132.2645,
164.3764, 213.3441

■ 0.0000, 0.0997,
1.1103

■ 165.3300,

■ 0.0000, 0.0000,

203.0927, 260.5446

0.0000

203.4925,
247.4558, 314.2390

■ 20.4479, 29.1347,
43.0739

■ 20.4479, 29.1347,
43.0739

■ 20.4481, 29.1350,
43.0745

■ 20.8244, 29.5410,
43.1330

■ 21.4017, 30.0514,
43.2011

■ 22.2607, 30.7085,
43.2827

■ 23.4380, 31.5310,
43.3794

■ 24.9648, 32.5350,
43.4927

■ 26.8684, 33.7346,
43.6239

■ 29.1736, 35.1425,
43.7742

■ 31.9028, 36.7705,
43.9446

■ 35.0771, 38.6292,
44.1360

Harmonies

Analogous

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



19.8706, 29.1347, 29.2023



20.4479, 29.1347, 43.0739



22.8688, 29.1347, 56.6371

Triad

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



20.4479, 29.1347, 43.0739



35.3952, 29.1347, 48.8129



28.6060, 29.1347, 12.7599

Complementary

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



20.4479, 29.1347, 43.0739



16.8822, 8.8324, 0.8159

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.



33.1489, 29.1347, 15.4549



20.4479, 29.1347, 43.0739



37.3351, 29.1347, 34.3842

Square

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



20.4479, 29.1347, 43.0739



31.4139, 29.1347, 60.5355



36.4712, 29.1347, 22.5646



24.2757, 29.1347, 13.9059

Rectangle

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



20.4479, 29.1347, 43.0739



25.3589, 29.1347, 62.4237



36.4712, 29.1347, 22.5646



30.1633, 29.1347, 13.2167

Sweetspot

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



20.4488, 29.1358, 43.0746



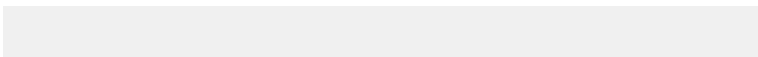
52.0017, 62.7892, 78.3806



14.5949, 29.1390, 5.0197



11.2034, 13.7636, 17.4538



82.5889, 86.8899, 94.6231



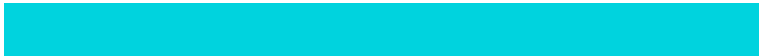
15.4596, 16.2647, 17.7123

Same Dimension

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



20.4488, 29.1358, 43.0746



36.5762, 52.0888, 77.1283



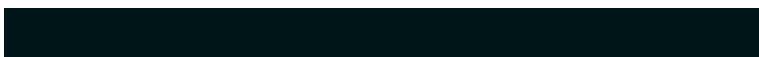
10.2065, 8.6511, 39.6605



8.2038, 9.0069, 10.2588



15.4257, 21.9852, 32.4751



0.4387, 0.6308, 0.9066

Inverse Universe

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



23.4062, 11.3032, 35.5996



41.8953, 20.2327, 63.6352



20.5545, 16.1771, 2.0401



8.3207, 8.1415, 9.9993



17.6498, 8.5225, 26.8650



0.4958, 0.2390, 0.7728

Previews

White Background



This preview shows how the XYZ color 20.4479, 29.1347, 43.0739 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 20.4479, 29.1347, 43.0739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

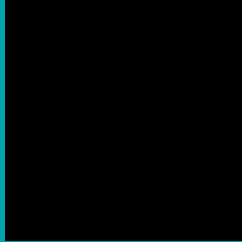
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4479, 29.1347, 43.0739

Background



This preview shows how black text looks on a background with the XYZ color 20.4479, 29.1347, 43.0739.

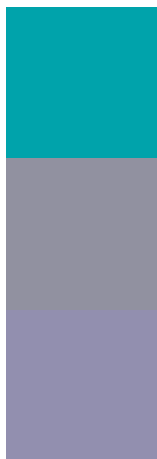


This preview shows how white text looks on a background with the XYZ color 20.4479, 29.1347,

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

20.4479, 29.1347, 43.0739

Protanopia

28.1476, 28.8086, 37.3348

Deuteranopia

29.4144, 28.8511, 44.5759



Tritanopia

20.9467, 29.0845, 45.0673

Trichromacy



Original Color

20.4479, 29.1347, 43.0739

Protanomaly

22.3427, 27.4121, 39.2354

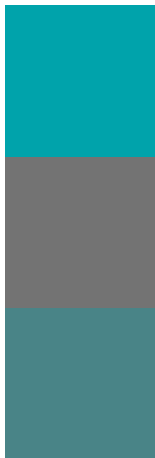
Deuteranomaly

23.0605, 27.1958, 44.0783

Tritanomaly

20.7263, 28.9822, 44.5461

Monochromacy



Original Color

20.4479, 29.1347, 43.0739

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3721, 19.6683, 25.9078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4479, 29.1347, 43.0739 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, 163, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 171)  
}
```

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, 163, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.4479, 29.1347, 43.0739 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, 163, 171) }
```


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

```
.border{ border-color:rgb(0, 163, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4479, 29.1347, 43.0739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 171) }
```

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

```
.background{ background-color: rgb(0, 163,  
171) }
```

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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