

Converting Colors

XYZ(20.6635, 29.5888, 43.0753)

Have a look what the booklet for
XYZ(20.6635, 29.5888, 43.0753)
contains.

XYZ(20.6261, 29.4912, 43.1333)	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(20.6261, 29.4912,
43.1333)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4AB
RGB	0, 164, 171
RGB Percent	0%, 64%, 67%
CMY	0.9999, 0.3569, 0.3294
CMYK	1.00, 0.04, 0.00, 0.33
HSL	182°, 100%, 34%
HSV	182°, 100%, 67%
XYZ	20.6261, 29.4912, 43.1333
YIQ	115.7620, -99.9910, -32.5910

Conversions

Conversions Part 2

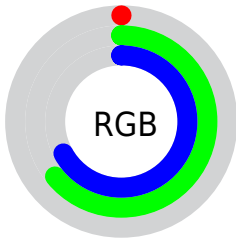
Format	Color
RYB	0, 84, 171
Decimal	42155
CIELab	61.21, -32.35, -13.76
CIELCh	61, 35.152, 203.046
Yxy	29.4912, 0.2212, 0.3163
Android (android.graphics.Color)	4278232235 (0xFF00A4AB)
YUV	115.7620, 27.2323, -101.5233
Hunter-Lab	54.3058, -27.2384, -9.0780

Details

The XYZ color **20.6261, 29.4912, 43.1333** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8712, 8.8106, 0.8122**, and the grayscale version is **16.4717, 17.3295, 18.8718**.

A 20% lighter version of the original color is **43.7783, 58.5869, 80.9526**, and **9.1239, 12.9203, 19.4657** is the 20% darker color. If you saturate the color by 10%, you get **20.6265, 29.4917, 43.1339**, and if you desaturate by 10%, it is **20.9857, 29.8637, 43.1868**.

Distribution



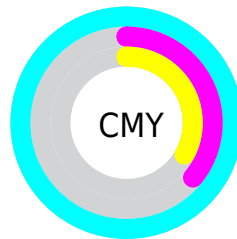
- Red (0%)
- Green (64%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6261, 29.4912, 43.1333 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 20.6261, 29.4912, 43.1333 by changing the saturation by 10% instead.

■ 20.6261, 29.4912,
43.1333

■ 20.6261, 29.4912,
43.1333

■ 248.0542,
299.5256, 375.0970

■ 12.9619, 19.4527,
29.6575

■ 43.9604, 58.8566,
81.2005

■ 7.4791, 11.9979,
19.3290

■ 60.3612, 78.9523,
106.6290

■ 3.8125, 6.7422,
11.7290

■ 80.4049, 103.1692,
136.8789

■ 1.5966, 3.3014,
6.4391

■ 104.4568,
131.8917, 172.3686

■ 0.3902, 1.2910,
3.0408

■ 132.8824,
165.5042, 213.5167

■ 0.0000, 0.1343,
1.1155

■ 166.0469,

■ 0.0000, 0.0000,

204.3911, 260.7418

0.0000

204.3157,
248.9367, 314.4624

■ 20.6261, 29.4912,
43.1333

■ 20.6261, 29.4912,
43.1333

■ 20.6265, 29.4917,
43.1339

■ 20.9857, 29.8637,
43.1868

■ 21.5458, 30.3399,
43.2492

■ 22.3874, 30.9623,
43.3250

■ 23.5471, 31.7497,
43.4158

■ 25.0560, 32.7182,
43.5232

■ 26.9416, 33.8819,
43.6485

■ 29.2285, 35.2535,
43.7927

■ 31.9393, 36.8446,
43.9569

■ 35.0948, 38.6661,
44.1422

Harmonies

Analogous

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



20.1061, 29.4912, 29.1284



20.6261, 29.4912, 43.1333



23.0228, 29.4912, 57.0288

Triad

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



20.6261, 29.4912, 43.1333



35.7440, 29.4912, 49.9590



29.1197, 29.4912, 12.9011

Complementary

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



20.6261, 29.4912, 43.1333



16.8712, 8.8106, 0.8122

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.



33.7163, 29.4912, 15.7714



20.6261, 29.4912, 43.1333



37.8037, 29.4912, 35.2903

Square

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



20.6261, 29.4912, 43.1333



31.6532, 29.4912, 61.6659



37.0236, 29.4912, 23.1471



24.6954, 29.4912, 13.9308

Rectangle

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



20.6261, 29.4912, 43.1333



25.5194, 29.4912, 63.1052



37.0236, 29.4912, 23.1471



30.7011, 29.4912, 13.4077

Sweetspot

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



20.6270, 29.4923, 43.1340



52.1033, 62.9923, 78.4145



14.5948, 29.1389, 5.0196



11.2291, 13.8148, 17.4624



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.



20.6270, 29.4923, 43.1340



36.9009, 52.7382, 77.2365



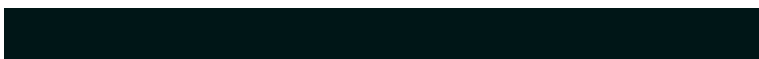
10.2062, 8.6507, 39.6604



8.2078, 9.0150, 10.2602



15.5588, 22.2515, 32.5194



0.4413, 0.6359, 0.9075

Inverse Universe

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



23.4962, 11.3390, 36.0734



42.0592, 20.2983, 64.4983



20.5543, 16.1767, 2.0399



8.3227, 8.1423, 10.0102



17.7170, 8.5494, 27.2189



0.4971, 0.2395, 0.7796

Previews

White Background



This preview shows how the XYZ color 20.6261, 29.4912, 43.1333 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 20.6261, 29.4912, 43.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

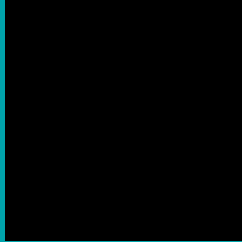
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

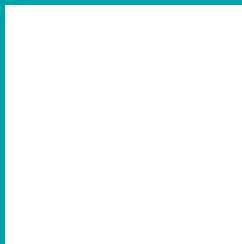
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6261, 29.4912, 43.1333

Background



This preview shows how black text looks on a background with the XYZ color 20.6261, 29.4912, 43.1333.



This preview shows how white text looks on a background with the XYZ color 20.6261, 29.4912,

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

20.6261, 29.4912, 43.1333

Protanopia

28.3910, 29.1720, 36.9353

Deuteranopia

29.8424, 29.2842, 45.1538



Tritanopia

21.2429, 29.4884, 45.6465

Trichromacy



Original Color

20.6261, 29.4912, 43.1333

Protanomaly

22.5163, 27.7540, 38.8206

Deuteranomaly

23.3227, 27.5689, 44.1365

Tritanomaly

20.9032, 29.3359, 44.6051

Monochromacy



Original Color

20.6261, 29.4912, 43.1333

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.6555, 20.0085, 26.3294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6261, 29.4912, 43.1333 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, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.6261, 29.4912, 43.1333 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, 164, 171) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6261, 29.4912, 43.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 171) }
```

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

```
.background{ background-color: rgb(0, 164,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor