

Converting Colors

XYZ(20.9901, 30.6267, 41.9977)

Have a look what the booklet for
XYZ(20.9901, 30.6267, 41.9977)
contains.

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Color

**XYZ(20.8866, 30.4646,
41.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7A8
RGB	0, 167, 168
RGB Percent	0%, 65%, 66%
CMY	0.9999, 0.3451, 0.3412
CMYK	1.00, 0.01, 0.00, 0.34
HSL	180°, 100%, 33%
HSV	180°, 100%, 66%
XYZ	20.8866, 30.4646, 41.8252
YIQ	117.1810, -99.8530, -35.0930

Conversions

Conversions Part 2

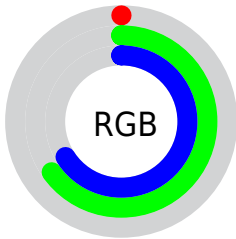
Format	Color
RYB	0, 84, 168
Decimal	42920
CIELab	62.05, -34.71, -10.81
CIELCh	62, 36.354, 197.302
Yxy	30.4646, 0.2242, 0.3270
Android (android.graphics.Color)	4278233000 (0xFF00A7A8)
YUV	117.1810, 25.0538, -102.7677
Hunter-Lab	55.1947, -29.0435, -6.2922

Details

The XYZ color **20.8866, 30.4646, 41.8252** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1600, 8.3473, 0.7603**, and the grayscale version is **16.9146, 17.7955, 19.3793**.

A 20% lighter version of the original color is **44.4263, 60.5360, 79.1551**, and **9.1697, 13.2956, 18.6060** is the 20% darker color. If you saturate the color by 10%, you get **20.8871, 30.4655, 41.8259**, and if you desaturate by 10%, it is **21.1336, 30.6198, 41.8427**.

Distribution



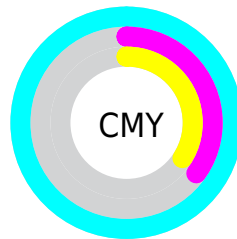
- Red (0%)
- Green (65%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8866, 30.4646, 41.8252 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 20.8866, 30.4646, 41.8252 by changing the saturation by 10% instead.

■ 20.8866, 30.4646,
41.8252

■ 20.8866, 30.4646,
41.8252

■ 249.4184,
304.0641, 369.5361

■ 13.1531, 20.1915,
28.6399

■ 44.3914, 60.3961,
79.2022

■ 7.6118, 12.5343,
18.5653

■ 60.8935, 80.8234,
104.2310

■ 3.8973, 7.1087,
11.1830

■ 81.0491, 105.4041,
134.0448

■ 1.6442, 3.5302,
6.0743

■ 105.2237,
134.5227, 169.0620

■ 0.4209, 1.4144,
2.8208

■ 133.7825,
168.5637, 209.7011

■ 0.0000, 0.2273,
1.0039

■ 167.0910,

■ 0.0000, 0.0000,

207.9113, 256.3809

0.0000

205.5145,
252.9499, 309.5197

■ 20.8866, 30.4646,
41.8252

■ 20.8866, 30.4646,
41.8252

■ 20.8871, 30.4655,
41.8259

■ 21.1336, 30.6198,
41.8427

■ 21.5713, 30.8726,
41.8684

■ 22.2788, 31.2645,
41.9068

■ 23.2910, 31.8136,
41.9594

■ 24.6377, 32.5351,
42.0277

■ 26.3450, 33.4425,
42.1129

■ 28.4367, 34.5481,
42.2160

■ 30.9342, 35.8630,
42.3382

■ 33.8577, 37.3974,
42.4803

Harmonies

Analogous

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



20.7300, 30.4646, 27.6055



20.8866, 30.4646, 41.8252



23.0453, 30.4646, 57.1097

Triad

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



20.8866, 30.4646, 41.8252



36.4166, 30.4646, 54.9444



31.0684, 30.4646, 13.2499

Complementary

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



20.8866, 30.4646, 41.8252



16.1600, 8.3473, 0.7603

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.



35.7989, 30.4646, 17.0768



20.8866, 30.4646, 41.8252



39.1119, 30.4646, 39.4379

Square

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



20.8866, 30.4646, 41.8252



31.8380, 30.4646, 66.0258



38.8739, 30.4646, 25.8010



26.2528, 30.4646, 13.5553

Rectangle

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



20.8866, 30.4646, 41.8252



25.4825, 30.4646, 64.6654



38.8739, 30.4646, 25.8010



32.7309, 30.4646, 14.0376

Sweetspot

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



20.8875, 30.4657, 41.8259



51.3668, 62.5678, 76.5946



14.0034, 28.0059, 4.6685



10.8470, 13.4529, 16.6771



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.8875, 30.4657, 41.8259



37.8961, 55.2711, 75.8961



10.2399, 9.1704, 38.2767



7.7437, 8.5243, 9.6556



15.7743, 23.0088, 31.5852



0.3850, 0.5621, 0.7689

Inverse Universe

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



23.1243, 11.1157, 37.4872



41.9581, 20.1684, 68.0085



19.3204, 14.6680, 1.8138



7.8400, 7.6658, 9.4745



17.4627, 8.3938, 28.3120



0.4255, 0.2045, 0.6919

Previews

White Background



This preview shows how the XYZ color 20.8866, 30.4646, 41.8252 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 20.8866, 30.4646, 41.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

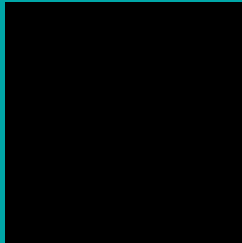
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8866, 30.4646, 41.8252

Background



This preview shows how black text looks on a background with the XYZ color 20.8866, 30.4646, 41.8252.

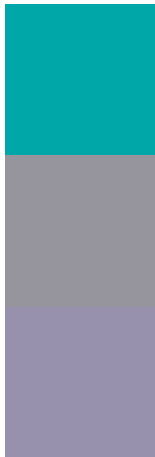


This preview shows how white text looks on a background with the XYZ color 20.8866, 30.4646,

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

20.8866, 30.4646, 41.8252

Protanopia

29.1683, 30.0641, 35.7181

Deuteranopia

30.6171, 29.9433, 43.7011



Tritanopia

22.0985, 30.4262, 47.3559

Trichromacy



Original Color

20.8866, 30.4646, 41.8252



Protanomaly

22.7858, 28.4137, 37.5411



Deuteranomaly

23.6717, 28.2641, 42.7360



Tritanomaly

21.6235, 30.4962, 45.3041

Monochromacy



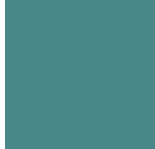
Original Color

20.8866, 30.4646, 41.8252



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.9319, 20.5614, 26.4216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8866, 30.4646, 41.8252 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, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 168)  
}
```

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, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.8866, 30.4646, 41.8252 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, 167, 168) }
```


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

```
.border{ border-color:rgb(0, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8866, 30.4646, 41.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 168) }
```

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

```
.background{ background-color: rgb(0, 167,  
168) }
```

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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