

Converting Colors

XYZ(20.9763, 28.7339, 47.7441)

Have a look what the booklet for
XYZ(20.9763, 28.7339, 47.7441)
contains.

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Color

**XYZ(20.9831, 28.7850,
47.6302)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1B4
RGB	0, 161, 180
RGB Percent	0%, 63%, 71%
CMY	0.9999, 0.3686, 0.2941
CMYK	1.00, 0.11, 0.00, 0.29
HSL	186°, 100%, 35%
HSV	186°, 100%, 71%
XYZ	20.9831, 28.7850, 47.6302
YIQ	115.0270, -102.0550, -28.2230

Conversions

Conversions Part 2

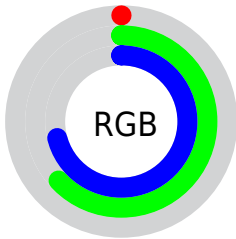
Format	Color
RYB	0, 85, 180
Decimal	41396
CIELab	60.59, -27.95, -19.77
CIElCh	61, 34.231, 215.276
Yxy	28.7850, 0.2154, 0.2955
Android (android.graphics.Color)	4278231476 (0xFF00A1B4)
YUV	115.0270, 32.0317, -100.8787
Hunter-Lab	53.6517, -24.0793, -15.0796

Details

The XYZ color **20.9831, 28.7850, 47.6302** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.0563, 10.1705, 0.9598**, and the grayscale version is **16.2356, 17.0812, 18.6014**.

A 20% lighter version of the original color is **44.5201, 57.6547, 88.1389**, and **9.2994, 12.4696, 21.9954** is the 20% darker color. If you saturate the color by 10%, you get **20.9829, 28.7844, 47.6307**, and if you desaturate by 10%, it is **21.5683, 29.5840, 47.7541**.

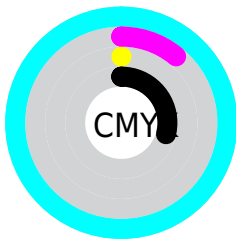
Distribution



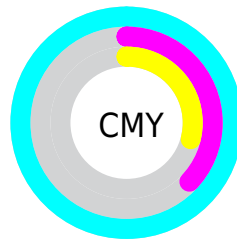
- Red (0%)
- Green (63%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (37%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9831, 28.7850, 47.6302 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 20.9831, 28.7850, 47.6302 by changing the saturation by 10% instead.

■ 20.9831, 28.7850,
47.6302

■ 20.9831, 28.7850,
47.6302

■ 249.9221,
296.1992, 393.7908

■ 13.2240, 18.9182,
33.1762

■ 44.5509, 57.7353,
88.0134

■ 7.6611, 11.6112,
21.9893

■ 61.0903, 77.5877,
114.7796

■ 3.9288, 6.4795,
13.6508

■ 81.2873, 101.5373,
146.4871

■ 1.6619, 3.1388,
7.7422

■ 105.5071,
129.9687, 183.5542

■ 0.4323, 1.2046,
3.8450

■ 134.1151,
163.2662, 226.3996

■ 0.0000, 0.0655,
1.5407

■ 167.4767,

■ 0.0000, 0.0000,

201.8141, 275.4418

0.2480

205.9573,
245.9970, 331.0994

■ 0.0000, 0.0000,
0.0000

■ 20.9831, 28.7850,
47.6302

■ 20.9831, 28.7850,
47.6302

■ 20.9829, 28.7844,
47.6307

■ 21.5683, 29.5840,
47.7541

■ 22.3867, 30.5102,
47.8898

■ 23.5260, 31.6093,
48.0419

■ 25.0279, 32.9030,
48.2124

■ 26.9277, 34.4095,
48.4031

■ 29.2567, 36.1448,
48.6153

■ 32.0429, 38.1236,
48.8504

■ 35.3120, 40.3589,
49.1095

■ 39.0875, 42.8631,
49.3939

Harmonies

Analogous

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



19.7298, 28.7850, 33.6371



20.9831, 28.7850, 47.6302



23.9520, 28.7850, 59.1027

Triad

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



20.9831, 28.7850, 47.6302



35.8405, 28.7850, 42.6810



26.5841, 28.7850, 12.7976

Complementary

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



20.9831, 28.7850, 47.6302



19.0563, 10.1705, 0.9598

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.



31.0753, 28.7850, 14.0067



20.9831, 28.7850, 47.6302



36.7387, 28.7850, 29.1537

Square

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



20.9831, 28.7850, 47.6302



32.5744, 28.7850, 55.7474



34.9117, 28.7850, 19.2681



22.7328, 28.7850, 15.3580

Rectangle

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



20.9831, 28.7850, 47.6302



26.6644, 28.7850, 62.4477



34.9117, 28.7850, 19.2681



28.0661, 28.7850, 12.7864

Sweetspot

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



20.9840, 28.7860, 47.6309



57.8085, 68.9222, 88.5511



16.4314, 32.6870, 6.0169



12.0234, 14.5652, 19.0999



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9840, 28.7860, 47.6309



37.9430, 51.9858, 86.3291



10.5576, 7.9332, 44.1554



8.6645, 9.4752, 10.8786



14.6738, 20.1479, 33.2525



0.4835, 0.6776, 1.0535

Inverse Universe

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



25.2563, 12.2775, 34.7578



45.7411, 22.2390, 62.7455



24.1870, 20.4319, 2.6700



8.8106, 8.6310, 10.5011



17.6413, 8.5741, 24.3348



0.5661, 0.2742, 0.8236

Previews

White Background



This preview shows how the XYZ color 20.9831, 28.7850, 47.6302 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 20.9831, 28.7850, 47.6302 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

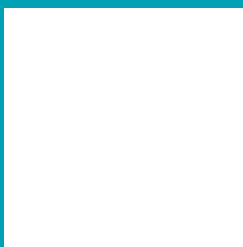
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9831, 28.7850, 47.6302

Background



This preview shows how black text looks on a background with the XYZ color 20.9831, 28.7850, 47.6302.



This preview shows how white text looks on a background with the XYZ color 20.9831, 28.7850,

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

20.9831, 28.7850, 47.6302

Protanopia

28.1192, 28.4738, 41.5501

Deuteranopia

29.1217, 28.5946, 49.3318



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

20.9831, 28.7850, 47.6302

Protanomaly

22.6656, 27.0035, 43.5528

Deuteranomaly

23.4781, 27.3063, 48.8330

Tritanomaly

20.8561, 29.0150, 46.0962

Monochromacy



Original Color

20.9831, 28.7850, 47.6302

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6591, 19.7831, 27.4193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9831, 28.7850, 47.6302 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, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 180)  
}
```

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, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.9831, 28.7850, 47.6302 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, 161, 180) }
```


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

```
.border{ border-color:rgb(0, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9831, 28.7850, 47.6302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 180) }
```

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

```
.background{ background-color: rgb(0, 161,  
180) }
```

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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