

Converting Colors

XYZ(19.7696, 29.4678, 42.5511)

Have a look what the booklet for
XYZ(19.7696, 29.4678, 42.5511)
contains.

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Color

**XYZ(20.8919, 30.1747,
42.7534)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6AA
RGB	0, 166, 170
RGB Percent	0%, 65%, 67%
CMY	0.9999, 0.3490, 0.3333
CMYK	1.00, 0.02, 0.00, 0.33
HSL	181°, 100%, 33%
HSV	181°, 100%, 67%
XYZ	20.8919, 30.1747, 42.7534
YIQ	116.8220, -100.2200, -33.9480

Conversions

Conversions Part 2

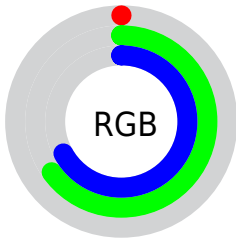
Format	Color
RYB	0, 84, 170
Decimal	42666
CIELab	61.80, -33.61, -12.31
CIELCh	62, 35.796, 200.111
Yxy	30.1747, 0.2227, 0.3216
Android (android.graphics.Color)	4278232746 (0xFF00A6AA)
YUV	116.8220, 26.2168, -102.4529
Hunter-Lab	54.9315, -28.2419, -7.6936

Details

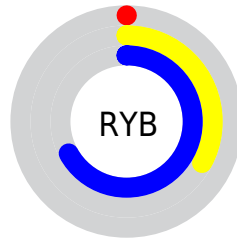
The XYZ color **20.8919, 30.1747, 42.7534** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6217, 8.6337, 0.7913**, and the grayscale version is **16.8002, 17.6751, 19.2482**.

A 20% lighter version of the original color is **44.4312, 60.1117, 80.4951**, and **9.1751, 13.1183, 19.1880** is the 20% darker color. If you saturate the color by 10%, you get **20.8923, 30.1754, 42.7541**, and if you desaturate by 10%, it is **21.1970, 30.4407, 42.7892**.

Distribution



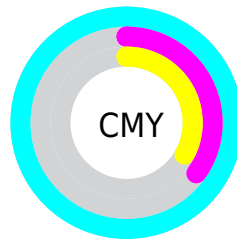
- Red (0%)
- Green (65%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8919, 30.1747, 42.7534 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 20.8919, 30.1747, 42.7534 by changing the saturation by 10% instead.

■ 20.8919, 30.1747,
42.7534

■ 20.8919, 30.1747,
42.7534

■ 249.4460,
302.7179, 373.4880

■ 13.1570, 19.9712,
29.3617

■ 44.4002, 59.9383,
80.6210

■ 7.6145, 12.3741,
19.1067

■ 60.9043, 80.2673,
105.9339

■ 3.8990, 6.9990,
11.5698

■ 81.0622, 104.7402,
136.0577

■ 1.6452, 3.4615,
6.3325

■ 105.2393,
133.7415, 171.4108

■ 0.4216, 1.3771,
2.9763

■ 133.8008,
167.6555, 212.4119

■ 0.0000, 0.1998,
1.0825

■ 167.1122,

■ 0.0000, 0.0000,

206.8666, 259.4794

0.0000

205.5389,
251.7593, 313.0320

■ 20.8919, 30.1747,
42.7534

■ 20.8919, 30.1747,
42.7534

■ 20.8923, 30.1754,
42.7541

■ 21.1970, 30.4407,
42.7892

■ 21.6990, 30.8079,
42.8337

■ 22.4783, 31.3185,
42.8911

■ 23.5711, 31.9909,
42.9633

■ 25.0079, 32.8411,
43.0517

■ 26.8157, 33.8828,
43.1575

■ 29.0189, 35.1287,
43.2818

■ 31.6397, 36.5903,
43.4258

■ 34.6987, 38.2780,
43.5904

Harmonies

Analogous

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



20.5509, 30.1747, 28.5418



20.8919, 30.1747, 42.7534



23.1846, 30.1747, 57.4494

Triad

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



20.8919, 30.1747, 42.7534



36.3194, 30.1747, 52.7734



30.2865, 30.1747, 13.1591

Complementary

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



20.8919, 30.1747, 42.7534



16.6217, 8.6337, 0.7913

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.



34.9820, 30.1747, 16.5244



20.8919, 30.1747, 42.7534



38.7120, 30.1747, 37.5825

Square

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



20.8919, 30.1747, 42.7534



31.9551, 30.1747, 64.2582



38.1971, 30.1747, 24.6162



25.6370, 30.1747, 13.8291

Rectangle

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



20.8919, 30.1747, 42.7534



25.6679, 30.1747, 64.3125



38.1971, 30.1747, 24.6162



31.9193, 30.1747, 13.8096

Sweetspot

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



20.8928, 30.1758, 42.7541



52.4068, 63.5994, 78.5157



14.3910, 28.7563, 4.8742



11.3057, 13.9681, 17.4879



82.5889, 86.8899, 94.6231



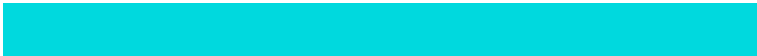
15.4596, 16.2647, 17.7123

Same Dimension

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



20.8928, 30.1758, 42.7541



37.8825, 54.7014, 77.5637



10.2873, 8.9647, 39.2189



7.7322, 8.5013, 9.6517



15.3744, 22.2091, 31.4520



0.3786, 0.5494, 0.7667

Inverse Universe

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



23.4613, 11.3001, 37.0221



42.5547, 20.4965, 67.1074



20.0553, 15.5008, 1.9358



7.8342, 7.6635, 9.4440



17.2609, 8.3131, 27.2492



0.4223, 0.2032, 0.6751

Previews

White Background



This preview shows how the XYZ color 20.8919, 30.1747, 42.7534 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 20.8919, 30.1747, 42.7534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

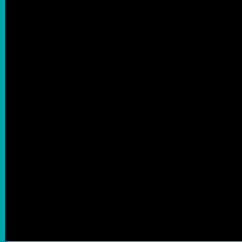
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

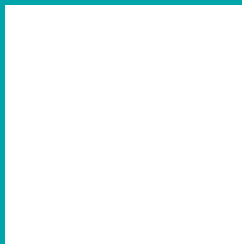
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8919, 30.1747, 42.7534

Background



This preview shows how black text looks on a background with the XYZ color 20.8919, 30.1747, 42.7534.

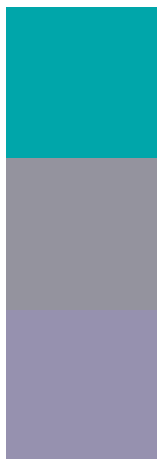


This preview shows how white text looks on a background with the XYZ color 20.8919, 30.1747,

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

20.8919, 30.1747, 42.7534

Protanopia

28.8180, 29.6320, 36.5484

Deuteranopia

30.4409, 29.8300, 44.7108



Tritanopia

21.9170, 30.3442, 46.8214

Trichromacy



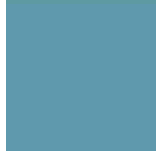
Original Color

20.8919, 30.1747, 42.7534



Protanomaly

22.6933, 28.0995, 38.4101



Deuteranomaly

23.6534, 28.2325, 43.7379



Tritanomaly

21.4242, 30.1246, 45.2429

Monochromacy



Original Color

20.8919, 30.1747, 42.7534



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 20.8919, 30.1747, 42.7534 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, 166, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 170)  
}
```

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, 166, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.8919, 30.1747, 42.7534 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, 166, 170) }
```


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

```
.border{ border-color:rgb(0, 166, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8919, 30.1747, 42.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 170) }
```

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

```
.background{ background-color: rgb(0, 166,  
170) }
```

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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