

Converting Colors

XYZ(9.7143, 21.4841, 48.9986)

Have a look what the booklet for
XYZ(9.7143, 21.4841, 48.9986)
contains.

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Color

**XYZ(20.3731, 26.9034,
49.4665)**

Conversions

Conversions Part 1

Format	Color
Hex	009BB8
RGB	0, 155, 184
RGB Percent	0%, 61%, 72%
CMY	0.9998, 0.3921, 0.2784
CMYK	1.00, 0.16, 0.00, 0.28
HSL	189°, 100%, 36%
HSV	189°, 100%, 72%
XYZ	20.3731, 26.9034, 49.4665
YIQ	111.9610, -101.6890, -23.8410

Conversions

Conversions Part 2

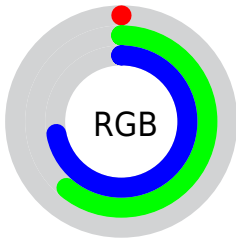
Format	Color
RYB	0, 84, 184
Decimal	39864
CIELab	58.88, -23.55, -24.64
CIELCh	59, 34.080, 226.298
Yxy	26.9034, 0.2106, 0.2781
Android (android.graphics.Color)	4278229944 (0xFF009BB8)
YUV	111.9610, 35.5152, -98.1898
Hunter-Lab	51.8685, -20.6580, -20.2364

Details

The XYZ color **20.3731, 26.9034, 49.4665** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.2079, 11.0711, 1.0730**, and the grayscale version is **15.3139, 16.1114, 17.5453**.

A 20% lighter version of the original color is **43.5986, 54.8713, 90.7314**, and **9.0470, 11.5393, 23.2232** is the 20% darker color. If you saturate the color by 10%, you get **20.3725, 26.9021, 49.4668**, and if you desaturate by 10%, it is **21.1198, 28.0141, 49.6421**.

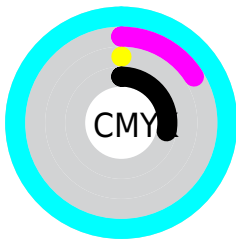
Distribution



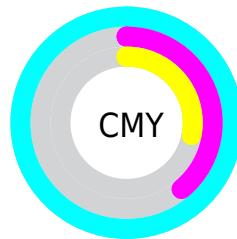
- Red (0%)
- Green (61%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3731, 26.9034, 49.4665 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 20.3731, 26.9034, 49.4665 by changing the saturation by 10% instead.

■ 20.3731, 26.9034,
49.4665

■ 20.3731, 26.9034,
49.4665

■ 246.7231,
287.1891, 401.2511

■ 12.7764, 17.5007,
34.6215

■ 43.5410, 54.7288,
90.7721

■ 7.3507, 10.5921,
23.0902

■ 59.8429, 73.9203,
118.0697

■ 3.7306, 5.7933,
14.4542

■ 79.7773, 97.1435,
150.3552

■ 1.5509, 2.7198,
8.2949

■ 103.7094,
124.7828, 188.0473

■ 0.3601, 0.9873,
4.1938

■ 132.0047,
157.2227, 231.5643

■ 0.0000, 0.0000,
1.7322

■ 165.0285,

■ 0.0000, 0.0000,

194.8474, 281.3250

0.3827

203.1462,
238.0414, 337.7477

■ 0.0000, 0.0000,
0.0000

■ 20.3731, 26.9034,
49.4665

■ 20.3731, 26.9034,
49.4665

■ 20.3725, 26.9021,
49.4668

■ 21.1198, 28.0141,
49.6421

■ 22.1195, 29.2720,
49.8322

■ 23.4629, 30.7246,
50.0418

■ 25.1944, 32.3948,
50.2729

■ 27.3514, 34.3021,
50.5273

■ 29.9667, 36.4634,
50.8067

■ 33.0702, 38.8943,
51.1123

■ 36.6888, 41.6087,
51.4455

■ 40.8477, 44.6199,
51.8075

Harmonies

Analogous

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



18.5580, 26.9034, 36.2969



20.3731, 26.9034, 49.4665



23.6999, 26.9034, 58.1029

Triad

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



20.3731, 26.9034, 49.4665



34.2747, 26.9034, 35.1387



23.3646, 26.9034, 12.1932

Complementary

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



20.3731, 26.9034, 49.4665



20.2079, 11.0711, 1.0730

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.



27.5379, 26.9034, 12.0422



20.3731, 26.9034, 49.4665



34.1594, 26.9034, 23.2539

Square

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



20.3731, 26.9034, 49.4665



31.8847, 26.9034, 48.4205



31.5851, 26.9034, 15.5201



20.1510, 26.9034, 16.0116

Rectangle

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



20.3731, 26.9034, 49.4665



26.4697, 26.9034, 58.9280



31.5851, 26.9034, 15.5201



24.6927, 26.9034, 11.7569

Sweetspot

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



20.3740, 26.9043, 49.4672



59.6312, 70.2628, 92.6238



17.3464, 34.3637, 6.7943



12.3284, 14.7390, 19.9168



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3740, 26.9043, 49.4672



36.7842, 48.4746, 89.6224



10.5098, 7.1759, 46.1791



9.1429, 9.9630, 11.5206



14.0830, 18.6257, 34.1059



0.5292, 0.7221, 1.2132

Inverse Universe

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



25.6844, 12.5579, 32.0814



46.4840, 22.7330, 57.7622



26.4378, 23.5308, 3.1496



9.3185, 9.1378, 11.0244



17.7221, 8.6626, 22.2213



0.6413, 0.3120, 0.8704

Previews

White Background



This preview shows how the XYZ color 20.3731, 26.9034, 49.4665 looks on a white background.

Color Contrast Check

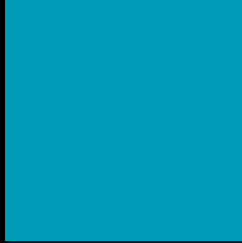
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3731, 26.9034, 49.4665 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 20.3731, 26.9034, 49.4665

Background



This preview shows how black text looks on a background with the XYZ color 20.3731, 26.9034, 49.4665.

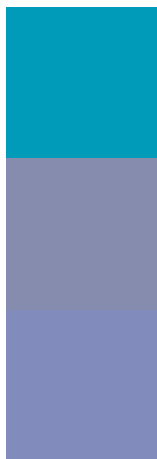


This preview shows how white text looks on a background with the XYZ color 20.3731, 26.9034,

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

20.3731, 26.9034, 49.4665

Protanopia

26.5938, 26.7598, 43.2987

Deuteranopia

27.3630, 26.7632, 51.3006



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



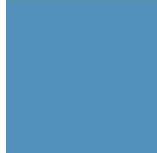
Original Color

20.3731, 26.9034, 49.4665



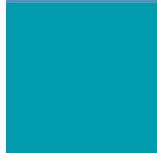
Protanomaly

21.8075, 25.3564, 45.3399



Deuteranomaly

22.5747, 25.6325, 50.7715



Tritanomaly

19.5284, 26.8329, 44.1944

Monochromacy



Original Color

20.3731, 26.9034, 49.4665



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.9051, 18.6129, 26.8518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3731, 26.9034, 49.4665 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, 155, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 184)  
}
```

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, 155, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 184) }
```

Border

The CSS property to change the border of an element to XYZ 20.3731, 26.9034, 49.4665 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, 155, 184) }
```


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

```
.border{ border-color:rgb(0, 155, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3731, 26.9034, 49.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 184) }
```

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

```
.background{ background-color: rgb(0, 155,  
184) }
```

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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