

Converting Colors

XYZ(4.5283, 18.1123, 50.6163)

Have a look what the booklet for
XYZ(4.5283, 18.1123, 50.6163)
contains.

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Color

**XYZ(20.4683, 26.4133,
51.5964)**

Conversions

Conversions Part 1

Format	Color
Hex	0099BC
RGB	0, 153, 188
RGB Percent	0%, 60%, 74%
CMY	0.9999, 0.4000, 0.2627
CMYK	1.00, 0.19, 0.00, 0.26
HSL	191°, 100%, 37%
HSV	191°, 100%, 74%
XYZ	20.4683, 26.4133, 51.5964
YIQ	111.2430, -102.4230, -21.5510

Conversions

Conversions Part 2

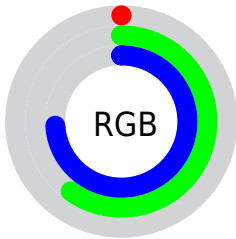
Format	Color
RYB	0, 84, 188
Decimal	39356
CIELab	58.43, -21.11, -27.60
CIELCh	58, 34.749, 232.593
Yxy	26.4133, 0.2078, 0.2682
Android (android.graphics.Color)	4278229436 (0xFF0099BC)
YUV	111.2430, 37.8412, -97.5601
Hunter-Lab	51.3939, -18.8493, -23.5479

Details

The XYZ color **20.4683, 26.4133, 51.5964** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.3415, 11.8957, 1.1723**, and the grayscale version is **15.0982, 15.8845, 17.2982**.

A 20% lighter version of the original color is **43.8148, 54.1848, 93.7374**, and **9.1245, 11.2520, 24.6126** is the 20% darker color. If you saturate the color by 10%, you get **20.4677, 26.4118, 51.5967**, and if you desaturate by 10%, it is **21.3155, 27.7136, 51.8033**.

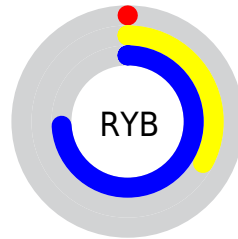
Distribution



Red (0%)

Green (60%)

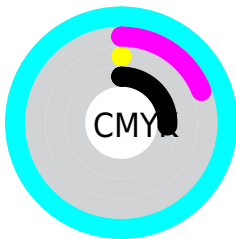
Blue (74%)



Red (0%)

Yellow (33%)

Blue (74%)

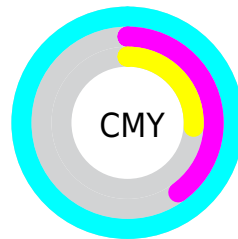


Cyan (100%)

Magenta (19%)

Yellow (0%)

Black (26%)



Cyan (100%)

Magenta (40%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4683, 26.4133, 51.5964 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 20.4683, 26.4133, 51.5964 by changing the saturation by 10% instead.

■ 20.4683, 26.4133,
51.5964

■ 20.4683, 26.4133,
51.5964

247.2247,
284.8051, 409.7890

■ 12.8461, 17.1331,
36.3035

■ 43.6989, 53.9410,
93.9563

■ 7.3990, 10.3294,
24.3771

■ 60.0381, 72.9572,
121.8602

■ 3.7614, 5.6179,
15.3988

■ 80.0137, 95.9875,
154.8050

■ 1.5680, 2.6142,
8.9500

■ 103.9910,
123.4164, 193.2090

■ 0.3714, 0.9338,
4.6122

■ 132.3354,
155.6282, 237.4909

■ 0.0000, 0.0000,
1.9669

■ 165.4122,

■ 0.0000, 0.0000,

193.0073, 288.0692

0.5348

203.5869,
235.9382, 345.3624

■ 0.0000, 0.0000,
0.0000

■ 20.4683, 26.4133,
51.5964

■ 20.4683, 26.4133,
51.5964

■ 20.4677, 26.4118,
51.5967

■ 21.3155, 27.7136,
51.8033

■ 22.4345, 29.1787,
52.0271

■ 23.9194, 30.8578,
52.2729

■ 25.8168, 32.7752,
52.5430

■ 28.1665, 34.9515,
52.8392

■ 31.0033, 37.4049,
53.1633

■ 34.3584, 40.1516,
53.5166

■ 38.2605, 43.2067,
53.9006

■ 42.7362, 46.5841,
54.3166

Harmonies

Analogous

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



18.3013, 26.4133, 38.7017



20.4683, 26.4133, 51.5964



24.0680, 26.4133, 58.7066

Triad

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



20.4683, 26.4133, 51.5964



34.0949, 26.4133, 31.8779



22.0995, 26.4133, 12.1325

Complementary

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



20.4683, 26.4133, 51.5964



21.3415, 11.8957, 1.1723

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.



26.1715, 26.4133, 11.2556



20.4683, 26.4133, 51.5964



33.4152, 26.4133, 20.6851

Square

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



20.4683, 26.4133, 51.5964



32.1587, 26.4133, 45.4150



30.3940, 26.4133, 13.9067



19.1665, 26.4133, 16.7736

Rectangle

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



20.4683, 26.4133, 51.5964



26.9260, 26.4133, 58.1178



30.3940, 26.4133, 13.9067



23.3681, 26.4133, 11.4532

Sweetspot

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



20.4692, 26.4142, 51.5971



61.9351, 72.5009, 96.9560



18.2798, 36.0854, 7.5529



12.7466, 15.1278, 20.7907



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.4692, 26.4142, 51.5971



36.9246, 47.5278, 93.4539



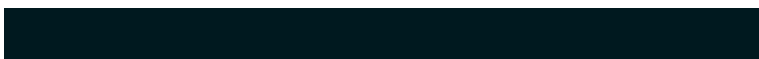
10.6704, 6.8167, 48.3308



9.6535, 10.4992, 12.1900



13.9860, 18.0837, 35.1463



0.5876, 0.7879, 1.3900

Inverse Universe

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



26.4896, 12.9922, 31.2494



47.9206, 23.5102, 56.1782



28.5212, 26.2550, 3.5655



9.8517, 9.6650, 11.6080



18.0602, 8.8552, 21.4086



0.7275, 0.3549, 0.9443

Previews

White Background



This preview shows how the XYZ color 20.4683, 26.4133, 51.5964 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 20.4683, 26.4133, 51.5964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

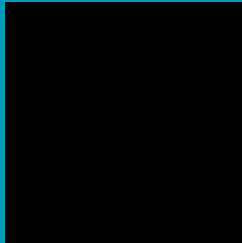
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4683, 26.4133, 51.5964

Background



This preview shows how black text looks on a background with the XYZ color 20.4683, 26.4133, 51.5964.

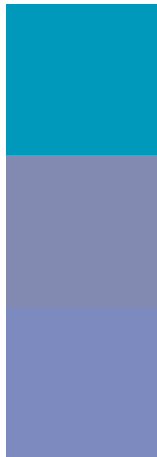


This preview shows how white text looks on a background with the XYZ color 20.4683, 26.4133,

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

20.4683, 26.4133, 51.5964

Protanopia

26.2302, 26.0971, 45.2497

Deuteranopia

26.8046, 26.2236, 52.9391



Tritanopia

18.7892, 26.2698, 41.1261

Trichromacy



Original Color

20.4683, 26.4133, 51.5964



Protanomaly

21.7302, 24.8201, 47.3615



Deuteranomaly

22.3412, 25.0249, 52.3680



Tritanomaly

19.2935, 26.2063, 44.5989

Monochromacy



Original Color

20.4683, 26.4133, 51.5964



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

14.7196, 18.1254, 27.1488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4683, 26.4133, 51.5964 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, 153, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 188)  
}
```

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, 153, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 188) }
```

Border

The CSS property to change the border of an element to XYZ 20.4683, 26.4133, 51.5964 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, 153, 188) }
```


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

```
.border{ border-color:rgb(0, 153, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4683, 26.4133, 51.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 188) }
```

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

```
.background{ background-color: rgb(0, 153,  
188) }
```

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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