

Converting Colors

XYZ(17.9449, 25.3399, 49.5908)

Have a look what the booklet for
XYZ(17.9449, 25.3399, 49.5908)
contains.

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Color

**XYZ(20.3126, 26.6140,
49.9654)**

Conversions

Conversions Part 1

Format	Color
Hex	009AB9
RGB	0, 154, 185
RGB Percent	0%, 60%, 73%
CMY	0.9998, 0.3961, 0.2745
CMYK	1.00, 0.17, 0.00, 0.27
HSL	190°, 100%, 36%
HSV	190°, 100%, 73%
XYZ	20.3126, 26.6140, 49.9654
YIQ	111.4880, -101.7350, -23.0070

Conversions

Conversions Part 2

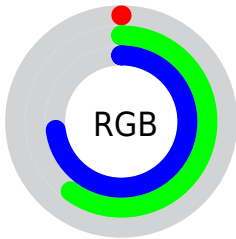
Format	Color
RYB	0, 84, 185
Decimal	39609
CIELab	58.62, -22.68, -25.62
CIElCh	59, 34.215, 228.479
Yxy	26.6140, 0.2096, 0.2747
Android (android.graphics.Color)	4278229689 (0xFF009AB9)
YUV	111.4880, 36.2414, -97.7750
Hunter-Lab	51.5888, -19.9976, -21.3122

Details

The XYZ color **20.3126, 26.6140, 49.9654** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.4991, 11.2965, 1.1012**, and the grayscale version is **15.1741, 15.9643, 17.3851**.

A 20% lighter version of the original color is **43.5015, 54.4386, 91.4340**, and **9.0151, 11.3664, 23.5486** is the 20% darker color. If you saturate the color by 10%, you get **20.3119, 26.6124, 49.9657**, and if you desaturate by 10%, it is **21.0911, 27.7853, 50.1510**.

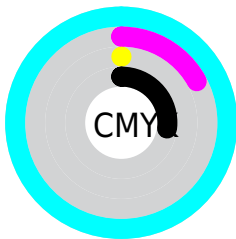
Distribution



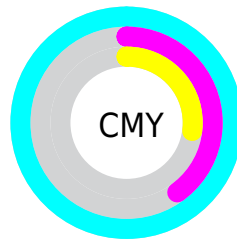
- Red (0%)
- Green (60%)
- Blue (73%)



- Red (0%)
- Yellow (33%)
- Blue (73%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3126, 26.6140, 49.9654 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 20.3126, 26.6140, 49.9654 by changing the saturation by 10% instead.

■ 20.3126, 26.6140,
49.9654

■ 20.3126, 26.6140,
49.9654

■ 246.4039,
285.7833, 403.2618

■ 12.7321, 17.2835,
35.0149

■ 43.4406, 54.2638,
91.5194

■ 7.3200, 10.4369,
23.3907

■ 59.7188, 73.3520,
118.9600

■ 3.7111, 5.6896,
14.6743

■ 79.6269, 96.4615,
151.4010

■ 1.5400, 2.6572,
8.4470

■ 103.5303,
123.9768, 189.2610

■ 0.3528, 0.9555,
4.2905

■ 131.7944,
156.2822, 232.9586

■ 0.0000, 0.0000,
1.7860

■ 164.7844,

■ 0.0000, 0.0000,

193.7622, 282.9122

0.4187

202.8658,
236.8011, 339.5404

■ 0.0000, 0.0000,
0.0000

■ 20.3126, 26.6140,
49.9654

■ 20.3126, 26.6140,
49.9654

■ 20.3119, 26.6124,
49.9657

■ 21.0911, 27.7853,
50.1510

■ 22.1275, 29.1090,
50.3519

■ 23.5136, 30.6328,
50.5729

■ 25.2941, 32.3799,
50.8163

■ 27.5070, 34.3702,
51.0838

■ 30.1858, 36.6210,
51.3771

■ 33.3605, 39.1479,
51.6975

■ 37.0586, 41.9653,
52.0464

■ 41.3056, 45.0863,
52.4250

Harmonies

Analogous

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



18.3854, 26.6140, 36.9418



20.3126, 26.6140, 49.9654



23.7174, 26.6140, 58.0506

Triad

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



20.3126, 26.6140, 49.9654



34.0597, 26.6140, 33.8457



22.8222, 26.6140, 12.1154

Complementary

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



20.3126, 26.6140, 49.9654



20.4991, 11.2965, 1.1012

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.



26.9428, 26.6140, 11.7139



20.3126, 26.6140, 49.9654



33.7514, 26.6140, 22.2501

Square

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



20.3126, 26.6140, 49.9654



31.8347, 26.6140, 47.1662



31.0339, 26.6140, 14.8852



19.7199, 26.6140, 16.1945

Rectangle

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



20.3126, 26.6140, 49.9654



26.5050, 26.6140, 58.3900



31.0339, 26.6140, 14.8852



24.1240, 26.6140, 11.5977

Sweetspot

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



20.3135, 26.6149, 49.9661



59.4341, 69.8686, 92.5581



17.5953, 34.7968, 7.0763



12.2805, 14.6433, 19.9008



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.



20.3135, 26.6149, 49.9661



36.2285, 47.3631, 89.4372



10.4636, 6.9151, 46.6828



9.1351, 9.9475, 11.5180



13.8764, 18.2124, 34.0371



0.5236, 0.7108, 1.2114

Inverse Universe

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



25.8412, 12.6484, 31.6521



46.2035, 22.6208, 56.2851



27.1342, 24.5668, 3.3129



9.3146, 9.1362, 11.0038



17.6178, 8.6209, 21.6720



0.6384, 0.3109, 0.8554

Previews

White Background



This preview shows how the XYZ color 20.3126, 26.6140, 49.9654 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 20.3126, 26.6140, 49.9654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

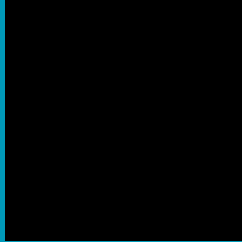
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3126, 26.6140, 49.9654

Background



This preview shows how black text looks on a background with the XYZ color 20.3126, 26.6140, 49.9654.

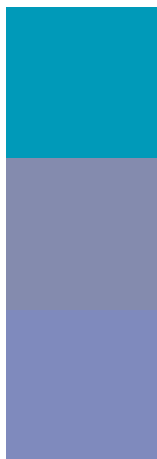


This preview shows how white text looks on a background with the XYZ color 20.3126, 26.6140,

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

20.3126, 26.6140, 49.9654

Protanopia

26.3883, 26.4268, 43.7545

Deuteranopia

27.0262, 26.3631, 51.8083



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



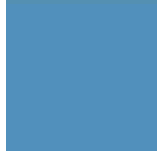
Original Color

20.3126, 26.6140, 49.9654



Protanomaly

21.6653, 25.0457, 45.8119



Deuteranomaly

22.4437, 25.3267, 51.2826



Tritanomaly

19.3613, 26.4987, 44.1387

Monochromacy



Original Color

20.3126, 26.6140, 49.9654



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.8481, 18.3824, 27.1917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3126, 26.6140, 49.9654 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, 154, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 185)  
}
```

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, 154, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.3126, 26.6140, 49.9654 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, 154, 185) }
```


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

```
.border{ border-color:rgb(0, 154, 185) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3126, 26.6140, 49.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 185) }
```

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

```
.background{ background-color: rgb(0, 154,  
185) }
```

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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