

Converting Colors

XYZ(15.7224, 22.8969, 49.2565)

Have a look what the booklet for
XYZ(15.7224, 22.8969, 49.2565)
contains.

XYZ(19.3469, 24.6826, 49.6435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.3469, 24.6826,
49.6435)**

Conversions

Conversions Part 1

Format	Color
Hex	0094B9
RGB	0, 148, 185
RGB Percent	0%, 58%, 73%
CMY	0.9998, 0.4196, 0.2745
CMYK	1.00, 0.20, 0.00, 0.27
HSL	192°, 100%, 36%
HSV	192°, 100%, 73%
XYZ	19.3469, 24.6826, 49.6435
YIQ	107.9660, -100.0850, -19.8690

Conversions

Conversions Part 2

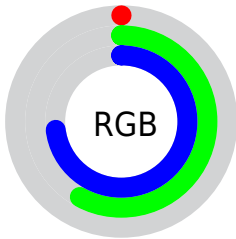
Format	Color
RYB	0, 82, 185
Decimal	38073
CIELab	56.76, -19.52, -28.48
CIELCh	57, 34.524, 235.571
Yxy	24.6826, 0.2065, 0.2635
Android (android.graphics.Color)	4278228153 (0xFF0094B9)
YUV	107.9660, 37.9778, -94.6862
Hunter-Lab	49.6816, -17.4317, -24.4674

Details

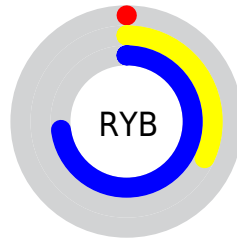
The XYZ color **19.3469, 24.6826, 49.6435** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.6708, 11.6401, 1.1584**, and the grayscale version is **14.1650, 14.9027, 16.2291**.

A 20% lighter version of the original color is **41.7170, 51.0248, 90.8691**, and **8.4396, 10.2153, 23.3567** is the 20% darker color. If you saturate the color by 10%, you get **19.3460, 24.6807, 49.6437**, and if you desaturate by 10%, it is **20.1967, 25.9967, 49.8529**.

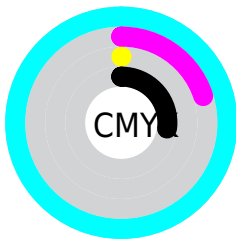
Distribution



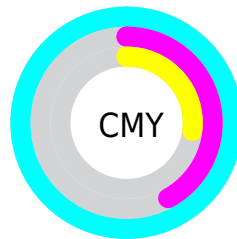
- Red (0%)
- Green (58%)
- Blue (73%)



- Red (0%)
- Yellow (32%)
- Blue (73%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (42%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3469, 24.6826, 49.6435 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 19.3469, 24.6826, 49.6435 by changing the saturation by 10% instead.

■ 19.3469, 24.6826,
49.6435

■ 19.3469, 24.6826,
49.6435

241.2587,
276.2536, 401.9652

■ 12.0267, 15.8407,
34.7610

■ 41.8318, 51.1418,
91.0373

■ 6.8342, 9.4115,
23.1968

■ 57.7272, 69.5280,
118.3857

■ 3.4040, 5.0106,
14.5322

■ 77.2118, 91.8644,
150.7265

■ 1.3708, 2.2535,
8.3488

■ 100.6508,
118.5354, 188.4782

■ 0.2353, 0.7489,
4.2280

■ 128.4097,
149.9254, 232.0594

■ 0.0000, 0.0000,
1.7512

■ 160.8537,

■ 0.0000, 0.0000,

186.4189, 281.8886

0.3955

198.3483,
228.4001, 338.3844

■ 0.0000, 0.0000,
0.0000

■ 19.3469, 24.6826,
49.6435

■ 19.3469, 24.6826,
49.6435

■ 19.3460, 24.6807,
49.6437

■ 20.1967, 25.9967,
49.8529

■ 21.3100, 27.4740,
50.0793

■ 22.7784, 29.1624,
50.3278

■ 24.6468, 31.0854,
50.6005

■ 26.9532, 33.2626,
50.8992

■ 29.7311, 35.7118,
51.2255

■ 33.0108, 38.4485,
51.5809

■ 36.8196, 41.4874,
51.9667

■ 41.1833, 44.8417,
52.3842

Harmonies

Analogous

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



17.1427, 24.6826, 37.6340



19.3469, 24.6826, 49.6435



22.8668, 24.6826, 55.6200

Triad

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



19.3469, 24.6826, 49.6435



32.0626, 24.6826, 28.6254



20.2726, 24.6826, 11.4183

Complementary

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



19.3469, 24.6826, 49.6435



20.6708, 11.6401, 1.1584

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.



24.0635, 24.6826, 10.2685



19.3469, 24.6826, 49.6435



31.1652, 24.6826, 18.3912

Square

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



19.3469, 24.6826, 49.6435



30.4477, 24.6826, 41.4724



28.1184, 24.6826, 12.4144



17.6327, 24.6826, 16.1814

Rectangle

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



19.3469, 24.6826, 49.6435



25.6016, 24.6826, 54.4141



28.1184, 24.6826, 12.4144



21.4414, 24.6826, 10.6674

Sweetspot

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



19.3477, 24.6835, 49.6441



58.7979, 68.5963, 92.3460



17.6841, 34.8324, 7.5442



12.1262, 14.3347, 19.8494



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.



19.3477, 24.6835, 49.6441



34.4786, 43.8634, 88.8539



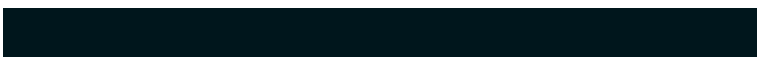
10.1490, 6.2859, 46.5779



9.1100, 9.8972, 11.5096



13.2249, 16.9094, 33.8199



0.5056, 0.6748, 1.2054

Inverse Universe

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



25.3537, 12.4535, 29.0852



45.3203, 22.2675, 51.6340



27.9260, 26.1504, 3.5768



9.3019, 9.1311, 10.9370



17.2890, 8.4894, 19.9404



0.6293, 0.3072, 0.8076

Previews

White Background



This preview shows how the XYZ color 19.3469, 24.6826, 49.6435 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 19.3469, 24.6826, 49.6435 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 19.3469, 24.6826, 49.6435

Background



This preview shows how black text looks on a background with the XYZ color 19.3469, 24.6826, 49.6435.

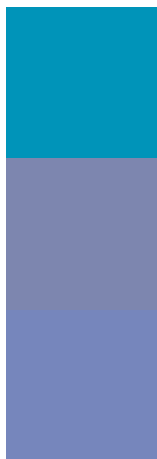


This preview shows how white text looks on a background with the XYZ color 19.3469, 24.6826,

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

19.3469, 24.6826, 49.6435

Protanopia

24.7204, 24.5053, 43.9845

Deuteranopia

25.0734, 24.5326, 50.9907



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

19.3469, 24.6826, 49.6435

Protanomaly

20.6776, 23.4254, 46.0796

Deuteranomaly

21.1039, 23.5489, 50.4468

Tritanomaly

18.1620, 24.7150, 41.8434

Monochromacy



Original Color

19.3469, 24.6826, 49.6435

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9811, 17.2087, 25.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3469, 24.6826, 49.6435 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, 148, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 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, 148, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 185) }
```

Border

The CSS property to change the border of an element to XYZ 19.3469, 24.6826, 49.6435 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, 148, 185) }
```


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

```
.border{ border-color:rgb(0, 148, 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, 148, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3469, 24.6826, 49.6435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 185) }
```

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

```
.background{ background-color: rgb(0, 148,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor