

Converting Colors

XYZ(19.5039, 25.2321, 48.9702)

Have a look what the booklet for
XYZ(19.5039, 25.2321, 48.9702)
contains.

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Color

**XYZ(19.5581, 25.2734,
49.1948)**

Conversions

Conversions Part 1

Format	Color
Hex	0096B8
RGB	0, 150, 184
RGB Percent	0%, 59%, 72%
CMY	0.9998, 0.4118, 0.2784
CMYK	1.00, 0.18, 0.00, 0.28
HSL	191°, 100%, 36%
HSV	191°, 100%, 72%
XYZ	19.5581, 25.2734, 49.1948
YIQ	109.0260, -100.3140, -21.2260

Conversions

Conversions Part 2

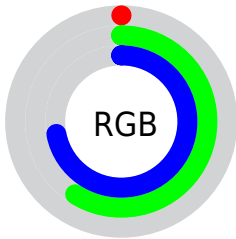
Format	Color
RYB	0, 83, 184
Decimal	38584
CIELab	57.34, -20.94, -27.02
CIELCh	57, 34.180, 232.228
Yxy	25.2734, 0.2080, 0.2688
Android (android.graphics.Color)	4278228664 (0xFF0096B8)
YUV	109.0260, 36.9622, -95.6158
Hunter-Lab	50.2727, -18.5334, -22.8280

Details

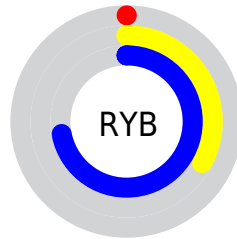
The XYZ color **19.5581, 25.2734, 49.1948** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.3407, 11.3368, 1.1173**, and the grayscale version is **14.4657, 15.2190, 16.5735**.

A 20% lighter version of the original color is **42.0404, 51.9099, 90.2419**, and **8.5586, 10.5624, 23.0604** is the 20% darker color. If you saturate the color by 10%, you get **19.5573, 25.2717, 49.1950**, and if you desaturate by 10%, it is **20.3668, 26.5081, 49.3910**.

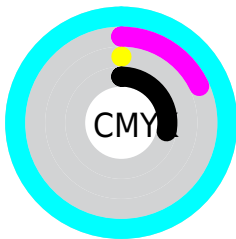
Distribution



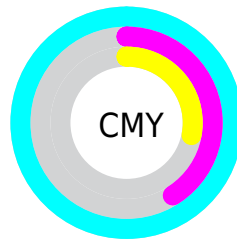
- Red (0%)
- Green (59%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5581, 25.2734, 49.1948 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 19.5581, 25.2734, 49.1948 by changing the saturation by 10% instead.

■ 19.5581, 25.2734,
49.1948

■ 19.5581, 25.2734,
49.1948

■ 242.3921,
279.1968, 400.1532

■ 12.1806, 16.2809,
34.4073

■ 42.1847, 52.1004,
90.3647

■ 6.9399, 9.7231,
22.9268

■ 58.1645, 70.7037,
117.5842

■ 3.4705, 5.2158,
14.3347

■ 77.7425, 93.2793,
149.7848

■ 1.4072, 2.3744,
8.2124

■ 101.2839,
120.2117, 187.3850

■ 0.2613, 0.8127,
4.1414

■ 129.1543,
151.8852, 230.8035

■ 0.0000, 0.0000,
1.7033

■ 161.7189,

■ 0.0000, 0.0000,

188.6843, 280.4586

0.3630

199.3430,
230.9934, 336.7690

■ 0.0000, 0.0000,
0.0000

■ 19.5581, 25.2734,
49.1948

■ 19.5581, 25.2734,
49.1948

■ 19.5573, 25.2717,
49.1950

■ 20.3668, 26.5081,
49.3910

■ 21.4327, 27.8985,
49.6032

■ 22.8467, 29.4920,
49.8363

■ 24.6529, 31.3118,
50.0923

■ 26.8890, 33.3773,
50.3731

■ 29.5879, 35.7057,
50.6803

■ 32.7794, 38.3126,
51.0153

■ 36.4905, 41.2120,
51.3793

■ 40.7464, 44.4172,
51.7737

Harmonies

Analogous

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



17.5067, 25.2734, 36.8528



19.5581, 25.2734, 49.1948



22.9833, 25.2734, 56.0787

Triad

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



19.5581, 25.2734, 49.1948



32.5984, 25.2734, 30.6477



21.1929, 25.2734, 11.5993

Complementary

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



19.5581, 25.2734, 49.1948



20.3407, 11.3368, 1.1173

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.



25.0908, 25.2734, 10.8013



19.5581, 25.2734, 49.1948



31.9803, 25.2734, 19.9105

Square

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



19.5581, 25.2734, 49.1948



30.7221, 25.2734, 43.5747



29.1173, 25.2734, 13.3798



18.3739, 25.2734, 15.9882

Rectangle

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



19.5581, 25.2734, 49.1948



25.7100, 25.2734, 55.5958



29.1173, 25.2734, 13.3798



22.4088, 25.2734, 10.9636

Sweetspot

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



19.5590, 25.2743, 49.1954



59.0954, 69.1912, 92.4452



17.4265, 34.3957, 7.2163



12.1983, 14.4789, 19.8734



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.



19.5590, 25.2743, 49.1954



35.2884, 45.4831, 89.1238



10.1802, 6.5168, 46.0692



9.1218, 9.9208, 11.5136



13.5265, 17.5127, 33.9204



0.5139, 0.6916, 1.2081

Inverse Universe

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



25.2730, 12.3934, 29.9151



45.7290, 22.4310, 53.7865



27.1960, 25.0474, 3.4024



9.3078, 9.1335, 10.9683



17.4412, 8.5503, 20.7422



0.6336, 0.3089, 0.8298

Previews

White Background



This preview shows how the XYZ color 19.5581, 25.2734, 49.1948 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 19.5581, 25.2734, 49.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

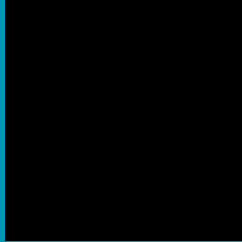
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5581, 25.2734, 49.1948

Background



This preview shows how black text looks on a background with the XYZ color 19.5581, 25.2734, 49.1948.

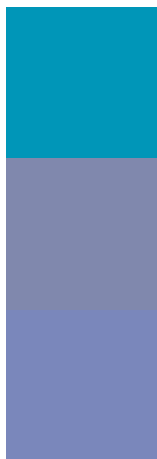


This preview shows how white text looks on a background with the XYZ color 19.5581, 25.2734,

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

19.5581, 25.2734, 49.1948

Protanopia

25.2491, 25.2146, 43.0713

Deuteranopia

25.6597, 25.0534, 50.4971



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

19.5581, 25.2734, 49.1948

Protanomaly

20.8540, 23.9734, 45.1232

Deuteranomaly

21.3829, 23.9210, 49.9446

Tritanomaly

18.4173, 25.0735, 42.3971

Monochromacy



Original Color

19.5581, 25.2734, 49.1948

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1058, 17.4581, 25.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5581, 25.2734, 49.1948 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, 150, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 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, 150, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.5581, 25.2734, 49.1948 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, 150, 184) }
```


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

```
.border{ border-color:rgb(0, 150, 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, 150, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5581, 25.2734, 49.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 184) }
```

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

```
.background{ background-color: rgb(0, 150,  
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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