

Converting Colors

XYZ(18.2968, 21.9492, 51.2458)

Have a look what the booklet for
XYZ(18.2968, 21.9492, 51.2458)
contains.

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Color

**XYZ(18.2738, 21.8511,
51.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	008ABD
RGB	0, 138, 189
RGB Percent	0%, 54%, 74%
CMY	0.9998, 0.4588, 0.2588
CMYK	1.00, 0.27, 0.00, 0.26
HSL	196°, 100%, 37%
HSV	196°, 100%, 74%
XYZ	18.2738, 21.8511, 51.3987
YIQ	102.5520, -98.6190, -13.3950

Conversions

Conversions Part 2

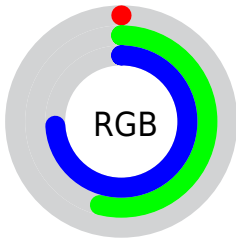
Format	Color
R _{YB}	0, 80, 189
Decimal	35517
CIE Lab	53.87, -12.58, -35.26
CIE LCh	54, 37.439, 250.369
Yxy	21.8511, 0.1997, 0.2387
Android (android.graphics.Color)	4278225597 (0xFF008ABD)
YUV	102.5520, 42.6189, -89.9381
Hunter-Lab	46.7452, -12.0241, -32.4708

Details

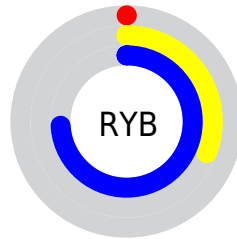
The XYZ color **18.2738, 21.8511, 51.3987** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.1722, 13.1900, 1.3784**, and the grayscale version is **12.6874, 13.3481, 14.5361**.

A 20% lighter version of the original color is **39.9847, 46.3483, 94.0275**, and **7.8629, 8.7287, 24.1921** is the 20% darker color. If you saturate the color by 10%, you get **18.2726, 21.8486, 51.3987**, and if you desaturate by 10%, it is **19.2906, 23.4877, 51.6615**.

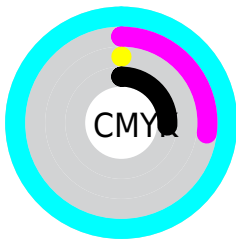
Distribution



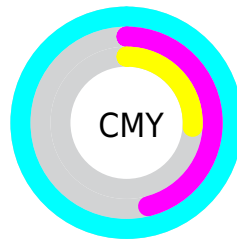
- Red (0%)
- Green (54%)
- Blue (74%)



- Red (0%)
- Yellow (31%)
- Blue (74%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (46%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2738, 21.8511, 51.3987 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 18.2738, 21.8511, 51.3987 by changing the saturation by 10% instead.

■ 18.2738, 21.8511,
51.3987

■ 18.2738, 21.8511,
51.3987

■ 235.4257,
261.7677, 409.0015

■ 11.2476, 13.7475,
36.1471

■ 40.0298, 46.4998,
93.6614

■ 6.3022, 7.9453,
24.2572

■ 55.4902, 63.8137,
121.5095

■ 3.0721, 4.0600,
15.3106

■ 74.4929, 84.9665,
154.3936

■ 1.1920, 1.7072,
8.8886

■ 97.4030, 110.3425,
192.7321

■ 0.1000, 0.4283,
4.5728

■ 124.5860,
140.3263, 236.9436

■ 0.0000, 0.0000,
1.9445

■ 156.4072,

■ 0.0000, 0.0000,

175.3022, 287.4466

0.5209

193.2320,
215.6545, 344.6598

■ 0.0000, 0.0000,
0.0000

■ 18.2738, 21.8511,
51.3987

■ 18.2738, 21.8511,
51.3987

■ 18.2726, 21.8486,
51.3987

■ 19.2906, 23.4877,
51.6615

■ 20.6007, 25.3269,
51.9474

■ 22.2990, 27.4186,
52.2616

■ 24.4334, 29.7882,
52.6065

■ 27.0443, 32.4570,
52.9841

■ 30.1671, 35.4442,
53.3960

■ 33.8340, 38.7666,
53.8441

■ 38.0743, 42.4402,
54.3297

■ 42.9150, 46.4795,
54.8542

Harmonies

Analogous

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



15.4088, 21.8511, 41.2468



18.2738, 21.8511, 51.3987



22.1944, 21.8511, 52.9635

Triad

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



18.2738, 21.8511, 51.3987



29.3577, 21.8511, 20.0185



16.1450, 21.8511, 10.5773

Complementary

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



18.2738, 21.8511, 51.3987



22.1722, 13.1900, 1.3784

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.



19.4056, 21.8511, 7.9625



18.2738, 21.8511, 51.3987



27.2467, 21.8511, 12.1222

Square

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



18.2738, 21.8511, 51.3987



28.9519, 21.8511, 32.0498



23.4812, 21.8511, 8.4178



14.2942, 21.8511, 17.0907

Rectangle

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



18.2738, 21.8511, 51.3987



24.9361, 21.8511, 48.5220



23.4812, 21.8511, 8.4178



17.0938, 21.8511, 9.3263

Sweetspot

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



18.2746, 21.8518, 51.3993



60.2436, 69.1179, 96.3921



18.7833, 36.6298, 9.1466



12.3380, 14.3107, 20.6545



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.



18.2746, 21.8518, 51.3993



32.5171, 38.7127, 91.9847



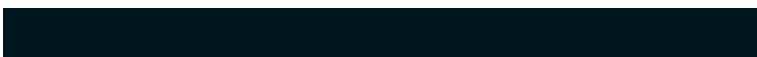
10.0914, 5.4855, 48.6715



9.5849, 10.3621, 12.1671



12.3601, 14.8319, 34.6043



0.5356, 0.6838, 1.3726

Inverse Universe

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



25.5745, 12.6548, 25.1401



45.6959, 22.6203, 44.4628



31.0983, 31.0422, 4.3538



9.8171, 9.6511, 11.4257



17.2396, 8.5270, 17.0870



0.7012, 0.3444, 0.8059

Previews

White Background



This preview shows how the XYZ color 18.2738, 21.8511, 51.3987 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 18.2738, 21.8511, 51.3987 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

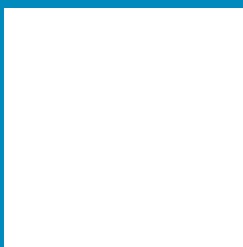
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2738, 21.8511, 51.3987

Background



This preview shows how black text looks on a background with the XYZ color 18.2738, 21.8511, 51.3987.

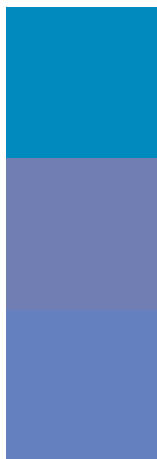


This preview shows how white text looks on a background with the XYZ color 18.2738, 21.8511,

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

18.2738, 21.8511, 51.3987

Protanopia

22.3812, 21.6617, 46.1815

Deuteranopia

22.3787, 21.9093, 52.3396



Tritanopia

15.5722, 21.9448, 33.5520

Trichromacy



Original Color

18.2738, 21.8511, 51.3987

Protanomaly

19.1284, 20.7238, 47.7917

Deuteranomaly

19.6599, 21.3102, 51.7923

Tritanomaly

16.4078, 21.8029, 39.4200

Monochromacy



Original Color

18.2738, 21.8511, 51.3987

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7952, 15.3703, 24.8466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2738, 21.8511, 51.3987 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, 138, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 189)  
}
```

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, 138, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 189) }
```

Border

The CSS property to change the border of an element to XYZ 18.2738, 21.8511, 51.3987 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, 138, 189) }
```


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

```
.border{ border-color:rgb(0, 138, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2738, 21.8511, 51.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 189) }
```

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

```
.background{ background-color: rgb(0, 138,  
189) }
```

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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