

Converting Colors

XYZ(17.0153, 21.8589, 41.8510)

Have a look what the booklet for
XYZ(17.0153, 21.8589, 41.8510)
contains.

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Color

**XYZ(16.9973, 21.8349,
41.8468)**

Conversions

Conversions Part 1

Format	Color
Hex	138CAB
RGB	19, 140, 171
RGB Percent	7%, 55%, 67%
CMY	0.9254, 0.4510, 0.3294
CMYK	0.89, 0.18, 0.00, 0.33
HSL	192°, 80%, 37%
HSV	192°, 89%, 67%
XYZ	16.9973, 21.8349, 41.8468
YIQ	107.3550, -82.0670, -16.0110

Conversions

Conversions Part 2

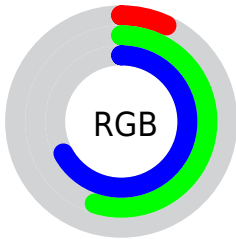
Format	Color
RYB	19, 86, 171
Decimal	1281195
CIELab	53.85, -19.39, -24.98
CIELCh	54, 31.618, 232.184
Yxy	21.8349, 0.2107, 0.2706
Android (android.graphics.Color)	4279471275 (0xFF138CAB)
YUV	107.3550, 31.3770, -77.4873
Hunter-Lab	46.7278, -16.8441, -20.3873

Details

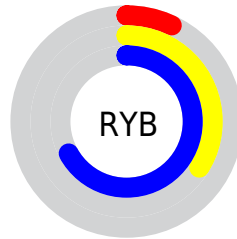
The XYZ color **16.9973, 21.8349, 41.8468** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.0538, 10.9877, 1.7862**, and the grayscale version is **14.0072, 14.7367, 16.0483**.

A 20% lighter version of the original color is **37.8431, 46.5614, 78.9442**, and **6.9859, 8.6442, 18.7531** is the 20% darker color. If you saturate the color by 10%, you get **16.2515, 20.7062, 41.6687**, and if you desaturate by 10%, it is **17.9786, 23.1098, 42.0416**.

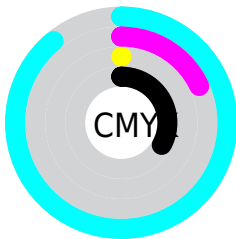
Distribution



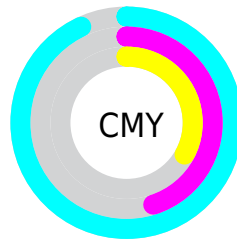
- Red (7%)
- Green (55%)
- Blue (67%)



- Red (7%)
- Yellow (34%)
- Blue (67%)



- Cyan (89%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)



- Cyan (93%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9973, 21.8349, 41.8468 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 16.9973, 21.8349, 41.8468 by changing the saturation by 10% instead.

■ 16.9973, 21.8349,
41.8468

■ 16.9973, 21.8349,
41.8468

■ 228.3134,
261.6829, 369.6284

■ 10.3279, 13.7356,
28.6567

■ 37.8648, 46.4730,
79.2353

■ 5.6808, 7.9370,
18.5779

■ 52.7935, 63.7806,
104.2707

■ 2.6908, 4.0547,
11.1920

■ 71.2061, 84.9264,
134.0917

■ 0.9924, 1.7042,
6.0803

■ 93.4678, 110.2949,
169.1168

■ 0.0000, 0.4264,
2.8244

■ 119.9440,
140.2703, 209.7644

■ 0.0000, 0.0000,
1.0057

■ 151.0001,

■ 0.0000, 0.0000,

175.2372, 256.4532

0.0000

187.0014,
215.5800, 309.6017

■ 16.9973, 21.8349,
41.8468

■ 16.9973, 21.8349,
41.8468

■ 16.2515, 20.7062,
41.6687

■ 17.9786, 23.1098,
42.0416

■ 16.1723, 20.5833,
41.6491

■ 19.2606, 24.5635,
42.2546

■ 20.8803, 26.2157,
42.4882

■ 22.8682, 28.0824,
42.7437

■ 25.2517, 30.1778,
43.0225

■ 28.0552, 32.5148,
43.3259

■ 31.3013, 35.1052,
43.6548

■ 35.0108, 37.9600,
44.0103

■ 39.2033, 41.0893,
44.3933

Harmonies

Analogous

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



15.2689, 21.8349, 31.5688



16.9973, 21.8349, 41.8468



19.8770, 21.8349, 47.5686

Triad

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



16.9973, 21.8349, 41.8468



27.9281, 21.8349, 26.4128



18.3813, 21.8349, 10.3093

Complementary

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



16.9973, 21.8349, 41.8468



18.0538, 10.9877, 1.7862

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.



21.6553, 21.8349, 9.6303



16.9973, 21.8349, 41.8468



27.4153, 21.8349, 17.3820

Square

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



16.9973, 21.8349, 41.8468



26.3588, 21.8349, 37.2022



25.0257, 21.8349, 11.8380



16.0050, 21.8349, 14.0427

Rectangle

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



16.9973, 21.8349, 41.8468



22.1642, 21.8349, 47.1761



25.0257, 21.8349, 11.8380



19.4038, 21.8349, 9.7667

Sweetspot

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



16.9980, 21.8357, 41.8473



51.0110, 58.8541, 77.6733



15.3951, 29.4900, 7.8325



10.9789, 12.8011, 17.2799



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.9980, 21.8357, 41.8473



28.8081, 36.5527, 74.5389



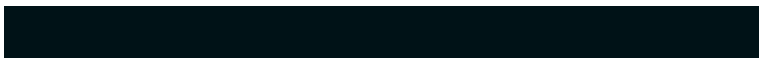
9.4878, 6.8152, 39.3439



8.0955, 8.7904, 10.2227



12.2294, 15.5927, 31.4097



0.3748, 0.5030, 0.8853

Inverse Universe

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



21.7617, 11.0179, 25.7914



37.9744, 18.6644, 42.9878



24.2976, 23.4753, 3.8674



8.2660, 8.1197, 9.7117



16.0365, 7.8771, 18.3695



0.4636, 0.2261, 0.6031

Previews

White Background



This preview shows how the XYZ color 16.9973, 21.8349, 41.8468 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 16.9973, 21.8349, 41.8468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

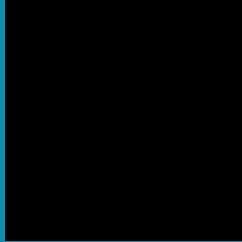
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9973, 21.8349, 41.8468

Background



This preview shows how black text looks on a background with the XYZ color 16.9973, 21.8349, 41.8468.

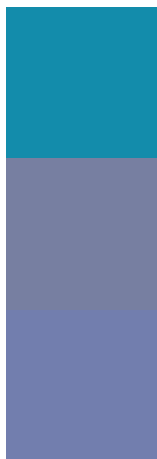


This preview shows how white text looks on a background with the XYZ color 16.9973, 21.8349,

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

16.9973, 21.8349, 41.8468

Protanopia

21.6301, 21.6739, 36.7617

Deuteranopia

22.0403, 21.5551, 43.0433



Tritanopia

15.5057, 21.6791, 33.9391

Trichromacy



Original Color

16.9973, 21.8349, 41.8468

Protanomaly

18.6101, 21.0581, 38.6811

Deuteranomaly

18.8836, 20.9120, 42.5763

Tritanomaly

15.9577, 21.6330, 36.5922

Monochromacy



Original Color

16.9973, 21.8349, 41.8468

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5277, 16.3012, 23.5526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9973, 21.8349, 41.8468 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(19, 140, 171)` looks like.

```
.text, #text, p{  
    color:rgb(19, 140, 171)  
}
```

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(19, 140, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 140, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.9973, 21.8349, 41.8468 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(19, 140, 171) }
```


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

```
.border{ border-color:rgb(19, 140, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 140, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 140, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 140, 171);  
box-shadow:4px 4px 4px 4px rgb(19, 140,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9973, 21.8349, 41.8468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 140, 171) }
```

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

```
.background{ background-color: rgb(19, 140,  
171) }
```

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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