

Converting Colors

XYZ(17.6814, 22.1067, 39.9327)

Have a look what the booklet for
XYZ(17.6814, 22.1067, 39.9327)
contains.

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Color

**XYZ(17.6238, 21.9853,
39.8739)**

Conversions

Conversions Part 1

Format	Color
Hex	348BA7
RGB	52, 139, 167
RGB Percent	20%, 55%, 65%
CMY	0.7961, 0.4549, 0.3451
CMYK	0.69, 0.17, 0.00, 0.35
HSL	195°, 53%, 43%
HSV	195°, 69%, 65%
XYZ	17.6238, 21.9853, 39.8739
YIQ	116.1790, -60.8400, -9.7360

Conversions

Conversions Part 2

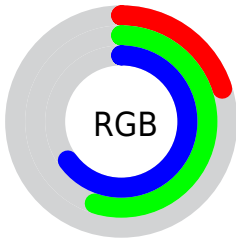
Format	Color
RYB	52, 102, 167
Decimal	3443623
CIELab	54.01, -16.66, -22.38
CIELCh	54, 27.897, 233.342
Yxy	21.9853, 0.2217, 0.2766
Android (android.graphics.Color)	4281633703 (0xFF348BA7)
YUV	116.1790, 25.0548, -56.2850
Hunter-Lab	46.8885, -14.9627, -17.5982

Details

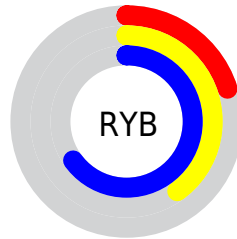
The XYZ color **17.6238, 21.9853, 39.8739** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.4255, 14.2016, 4.9669**, and the grayscale version is **16.5951, 17.4593, 19.0132**.

A 20% lighter version of the original color is **38.9369, 46.8586, 76.0997**, and **6.6669, 8.3826, 17.4863** is the 20% darker color. If you saturate the color by 10%, you get **16.3337, 20.4628, 39.6484**, and if you desaturate by 10%, it is **19.2413, 23.7099, 40.1220**.

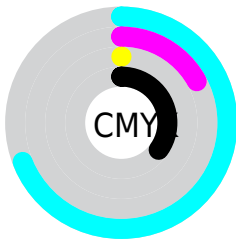
Distribution



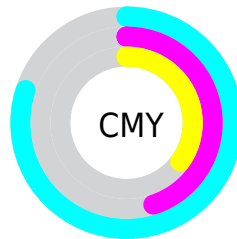
- Red (20%)
- Green (55%)
- Blue (65%)



- Red (20%)
- Yellow (40%)
- Blue (65%)



- Cyan (69%)
- Magenta (17%)
- Yellow (0%)
- Black (35%)



- Cyan (80%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6238, 21.9853, 39.8739 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 17.6238, 21.9853, 39.8739 by changing the saturation by 10% instead.

■ 17.6238, 21.9853,
39.8739

■ 17.6238, 21.9853,
39.8739

231.8288,
262.4695, 361.1281

■ 10.7783, 13.8461,
27.1272

■ 38.9304, 46.7217,
76.2064

■ 5.9841, 8.0137,
17.4355

■ 54.1221, 64.0877,
100.6294

■ 2.8760, 4.1037,
10.3802

■ 72.8267, 85.2981,
129.7814

■ 1.0885, 1.7317,
5.5429

■ 95.4094, 110.7372,
164.0812

■ 0.0155, 0.4441,
2.5049

■ 122.2356,
140.7895, 203.9472

■ 0.0000, 0.0000,
0.8428

153.6707,

■ 0.0000, 0.0000,

175.8394, 249.7980

0.0000

190.0799,
216.2713, 302.0521

■ 17.6238, 21.9853,
39.8739

■ 17.6238, 21.9853,
39.8739

■ 16.3337, 20.4628,
39.6484

■ 19.2413, 23.7099,
40.1220

■ 15.3349, 19.1222,
39.4423

■ 21.2130, 25.6496,
40.3924

■ 14.5630, 17.9304,
39.2530

■ 23.5656, 27.8188,
40.6871

■ 14.4795, 17.7987,
39.2320

■ 26.3221, 30.2298,
41.0072

■ 29.5039, 32.8939,
41.3537

■ 33.1309, 35.8216,
41.7277

■ 37.2214, 39.0228,
42.1300

■ 41.7929, 42.5068,
42.5615

■ 46.8618, 46.2824,
43.0231

Harmonies

Analogous

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



16.0142, 21.9853, 31.1349



17.6238, 21.9853, 39.8739



20.2316, 21.9853, 44.4975

Triad

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



17.6238, 21.9853, 39.8739



27.1973, 21.9853, 25.9147



18.6833, 21.9853, 11.7043

Complementary

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



17.6238, 21.9853, 39.8739



19.4255, 14.2016, 4.9669

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.



21.5755, 21.9853, 10.9476



17.6238, 21.9853, 39.8739



26.6818, 21.9853, 17.9459

Square

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



17.6238, 21.9853, 39.8739



25.8987, 21.9853, 35.2777



24.5509, 21.9853, 12.9397



16.5836, 21.9853, 15.3334

Rectangle

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



17.6238, 21.9853, 39.8739



22.2624, 21.9853, 43.9914



24.5509, 21.9853, 12.9397



19.5874, 21.9853, 11.1483

Sweetspot

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



17.6245, 21.9861, 39.8744



51.3285, 57.6635, 73.9001



16.6408, 28.9301, 12.0733



11.1436, 12.6183, 16.5004



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.6245, 21.9861, 39.8744



28.1829, 35.2542, 70.7946



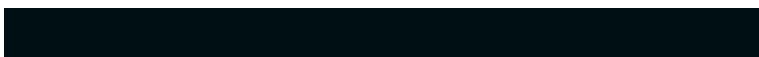
11.4598, 9.6566, 37.8195



7.5905, 8.2180, 9.6045



11.1194, 13.6989, 30.0336



0.3069, 0.4060, 0.7428

Inverse Universe

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



21.8251, 12.5363, 25.6963



36.7356, 19.0422, 41.2478



25.4080, 26.1666, 6.9611



7.7627, 7.6349, 9.0674



15.1131, 7.4540, 15.9392



0.3860, 0.1887, 0.4844

Previews

White Background



This preview shows how the XYZ color 17.6238, 21.9853, 39.8739 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 17.6238, 21.9853, 39.8739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

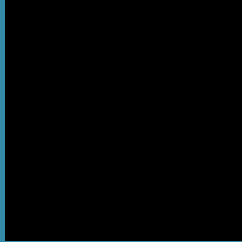
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6238, 21.9853, 39.8739

Background



This preview shows how black text looks on a background with the XYZ color 17.6238, 21.9853, 39.8739.

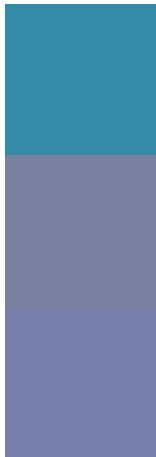


This preview shows how white text looks on a background with the XYZ color 17.6238, 21.9853,

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

17.6238, 21.9853, 39.8739

Protanopia

21.6461, 21.7123, 35.3978

Deuteranopia

22.1878, 21.6755, 41.0446



Tritanopia

16.2709, 21.8633, 33.4995

Trichromacy



Original Color

17.6238, 21.9853, 39.8739

Protanomaly

19.3732, 21.2926, 36.8070

Deuteranomaly

19.8938, 21.4769, 40.6330

Tritanomaly

16.6764, 21.8056, 35.6777

Monochromacy



Original Color

17.6238, 21.9853, 39.8739

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0950, 18.4917, 25.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6238, 21.9853, 39.8739 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(52, 139, 167)` looks like.

```
.text, #text, p{  
    color:rgb(52, 139, 167)  
}
```

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(52, 139, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 139, 167) }
```

Border

The CSS property to change the border of an element to XYZ 17.6238, 21.9853, 39.8739 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(52, 139, 167) }
```


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

```
.border{ border-color:rgb(52, 139, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 139, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 139, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 139, 167);  
box-shadow:4px 4px 4px 4px rgb(52, 139,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6238, 21.9853, 39.8739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 139, 167) }
```

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

```
.background{ background-color: rgb(52, 139,  
167) }
```

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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