

Converting Colors

XYZ(21.6983, 27.3303, 50.3952)

Have a look what the booklet for
XYZ(21.6983, 27.3303, 50.3952)
contains.

XYZ(21.7339, 27.3345, 50.5850)	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(21.7339, 27.3345,
50.5850)**

Conversions

Conversions Part 1

Format	Color
Hex	329ABA
RGB	50, 154, 186
RGB Percent	20%, 60%, 73%
CMY	0.8039, 0.3961, 0.2706
CMYK	0.73, 0.17, 0.00, 0.27
HSL	194°, 58%, 46%
HSV	194°, 73%, 73%
XYZ	21.7339, 27.3345, 50.5850
YIQ	126.5520, -72.2560, -12.0960

Conversions

Conversions Part 2

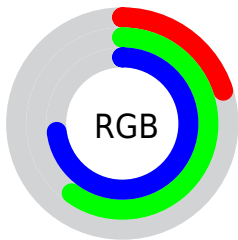
Format	Color
RYB	50, 109, 186
Decimal	3316410
CIELab	59.28, -18.74, -25.10
CIELCh	59, 31.327, 233.254
Yxy	27.3345, 0.2181, 0.2743
Android (android.graphics.Color)	4281506490 (0xFF329ABA)
YUV	126.5520, 29.3079, -67.1361
Hunter-Lab	52.2824, -17.2914, -20.7674

Details

The XYZ color **21.7339, 27.3345, 50.5850** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.8437, 16.7053, 4.9863**, and the grayscale version is **19.9412, 20.9797, 22.8469**.

A 20% lighter version of the original color is **45.8977, 55.6566, 92.3281**, and **9.0839, 11.3940, 23.9108** is the 20% darker color. If you saturate the color by 10%, you get **20.2872, 25.5363, 50.3147**, and if you desaturate by 10%, it is **23.5812, 29.3793, 50.8829**.

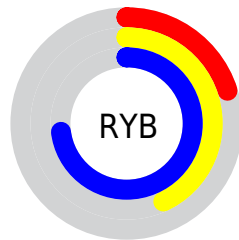
Distribution



Red (20%)

Green (60%)

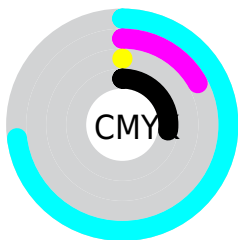
Blue (73%)



Red (20%)

Yellow (43%)

Blue (73%)

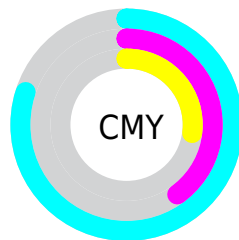


Cyan (73%)

Magenta (17%)

Yellow (0%)

Black (27%)



Cyan (80%)

Magenta (40%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7339, 27.3345, 50.5850 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 21.7339, 27.3345, 50.5850 by changing the saturation by 10% instead.

■ 21.7339, 27.3345,
50.5850

■ 21.7339, 27.3345,
50.5850

253.8120,
289.2731, 405.7497

■ 13.7770, 17.8246,
35.5040

■ 45.7879, 55.4202,
92.4462

■ 8.0464, 10.8241,
23.7647

■ 62.6158, 74.7647,
120.0636

■ 4.1767, 5.9487,
14.9486

■ 83.1313, 98.1563,
152.6968

■ 1.8026, 2.8139,
8.6371

■ 107.6999,
125.9793, 190.7644

■ 0.5192, 1.0354,
4.4117

■ 136.6870,
158.6180, 234.6850

■ 0.0000, 0.0000,
1.8538

170.4577,

■ 0.0000, 0.0000,

196.4570, 284.8770

0.4631

209.3777,
239.8805, 341.7591

■ 0.0000, 0.0000,
0.0000

■ 21.7339, 27.3345,
50.5850

■ 21.7339, 27.3345,
50.5850

■ 20.2872, 25.5363,
50.3147

■ 23.5812, 29.3793,
50.8829

■ 19.1897, 23.9563,
50.0676

■ 25.8668, 31.6891,
51.2082

■ 18.5711, 22.9613,
49.9081

■ 28.6271, 34.2835,
51.5635

■ 31.8936, 37.1791,
51.9503

■ 35.6951, 40.3913,
52.3699

■ 40.0581, 43.9340,
52.8238

■ 45.0075, 47.8204,
53.3130

■ 50.5664, 52.0628,
53.8389

■ 56.7567, 56.6729,
54.4025

Harmonies

Analogous

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



19.6624, 27.3345, 39.1070



21.7339, 27.3345, 50.5850



25.1067, 27.3345, 56.7022

Triad

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



21.7339, 27.3345, 50.5850



34.1924, 27.3345, 32.3666



23.1217, 27.3345, 14.0293

Complementary

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



21.7339, 27.3345, 50.5850



23.8437, 16.7053, 4.9863

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.



26.8746, 27.3345, 13.0816



21.7339, 27.3345, 50.5850



33.5252, 27.3345, 22.0396

Square

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



21.7339, 27.3345, 50.5850



32.4884, 27.3345, 44.6064



30.7474, 27.3345, 15.6191



20.4056, 27.3345, 18.6420

Rectangle

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



21.7339, 27.3345, 50.5850



27.7442, 27.3345, 56.0519



30.7474, 27.3345, 15.6191



24.2934, 27.3345, 13.3287

Sweetspot

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



21.7348, 27.3355, 50.5857



65.2558, 73.6711, 94.9820



20.3880, 36.4018, 13.8826



13.9311, 15.8591, 20.8694



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.



21.7348, 27.3355, 50.5857



35.4425, 44.4265, 90.9086



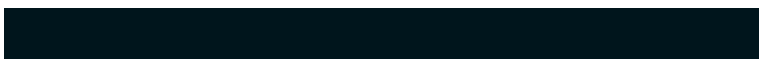
13.5285, 10.9228, 47.8502



9.0827, 9.8427, 11.5006



12.5535, 15.5667, 33.5961



0.4867, 0.6371, 1.1991

Inverse Universe

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



27.2238, 15.0543, 32.0437



46.6692, 23.6134, 52.0191



31.6902, 32.3982, 7.6018



9.2881, 9.1256, 10.8646



16.9501, 8.3538, 18.1559



0.6198, 0.3034, 0.7574

Previews

White Background



This preview shows how the XYZ color 21.7339, 27.3345, 50.5850 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 21.7339, 27.3345, 50.5850 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

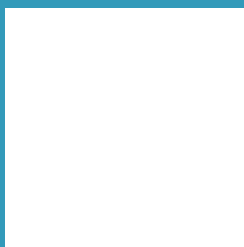
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7339, 27.3345, 50.5850

Background



This preview shows how black text looks on a background with the XYZ color 21.7339, 27.3345, 50.5850.

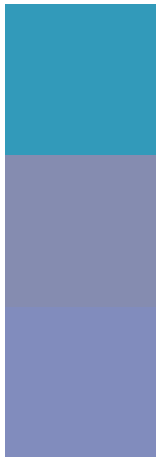


This preview shows how white text looks on a background with the XYZ color 21.7339, 27.3345,

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

21.7339, 27.3345, 50.5850

Protanopia

26.8874, 26.8773, 44.8450

Deuteranopia

27.6167, 27.0974, 51.9189



Tritanopia

20.0756, 27.4095, 42.2627

Trichromacy



Original Color

21.7339, 27.3345, 50.5850

Protanomaly

23.9571, 26.4297, 47.0188

Deuteranomaly

24.4580, 26.5910, 51.4204

Tritanomaly

20.6798, 27.4038, 45.2738

Monochromacy



Original Color

21.7339, 27.3345, 50.5850

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.4365, 22.6821, 31.3706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7339, 27.3345, 50.5850 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(50, 154, 186)` looks like.

```
.text, #text, p{  
    color:rgb(50, 154, 186)  
}
```

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(50, 154, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 154, 186) }
```

Border

The CSS property to change the border of an element to XYZ 21.7339, 27.3345, 50.5850 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(50, 154, 186) }
```


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

```
.border{ border-color:rgb(50, 154, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 154, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 154, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 154, 186);  
box-shadow:4px 4px 4px 4px rgb(50, 154,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7339, 27.3345, 50.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 154, 186) }
```

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

```
.background{ background-color: rgb(50, 154,  
186) }
```

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