

Converting Colors

XYZ(21.6336, 27.1424, 56.9221)

Have a look what the booklet for
XYZ(21.6336, 27.1424, 56.9221)
contains.

XYZ(21.6336, 27.1424, 56.9221)	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(21.6336, 27.1424,
56.9221)**

Conversions

Conversions Part 1

Format	Color
Hex	009AC5
RGB	0, 154, 197
RGB Percent	0%, 60%, 77%
CMY	0.9998, 0.3961, 0.2274
CMYK	1.00, 0.22, 0.00, 0.23
HSL	193°, 100%, 39%
HSV	193°, 100%, 77%
XYZ	21.6336, 27.1424, 56.9221
YIQ	112.8560, -105.5870, -19.2750

Conversions

Conversions Part 2

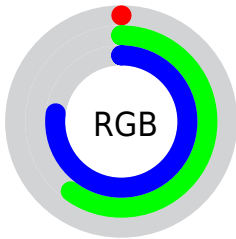
Format	Color
RYB	0, 86, 197
Decimal	39621
CIELab	59.11, -18.45, -31.62
CIElCh	59, 36.612, 239.737
Yxy	27.1424, 0.2047, 0.2568
Android (android.graphics.Color)	4278229701 (0xFF009AC5)
YUV	112.8560, 41.4830, -98.9747
Hunter-Lab	52.0984, -17.0509, -28.3107

Details

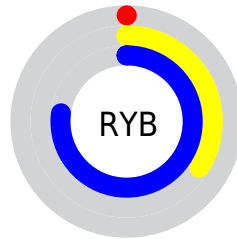
The XYZ color **21.6336, 27.1424, 56.9221** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.8917, 13.6011, 1.3672**, and the grayscale version is **15.5606, 16.3710, 17.8280**.

A 20% lighter version of the original color is **45.4823, 54.8642, 101.9586**, and **9.8082, 11.6837, 27.7248** is the 20% darker color. If you saturate the color by 10%, you get **21.6326, 27.1403, 56.9223**, and if you desaturate by 10%, it is **22.6399, 28.7344, 57.1769**.

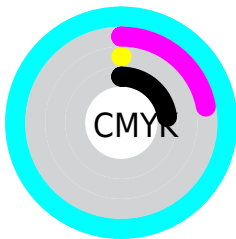
Distribution



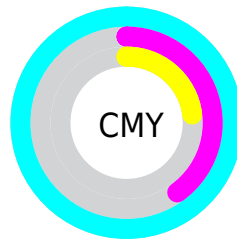
- Red (0%)
- Green (60%)
- Blue (77%)



- Red (0%)
- Yellow (34%)
- Blue (77%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6336, 27.1424, 56.9221 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 21.6336, 27.1424, 56.9221 by changing the saturation by 10% instead.

■ 21.6336, 27.1424,
56.9221

■ 21.6336, 27.1424,
56.9221

253.2953,
288.3459, 430.6429

■ 13.7030, 17.6802,
40.5338

■ 45.6230, 55.1123,
101.8507

■ 7.9947, 10.7206,
27.6380

■ 62.4126, 74.3888,
131.2281

■ 4.1433, 5.8793,
17.8163

■ 82.8859, 97.7055,
165.7722

■ 1.7835, 2.7718,
10.6501

■ 107.4082,
125.4468, 205.9016

■ 0.5077, 1.0138,
5.7209

■ 136.3450,
157.9971, 252.0348

■ 0.0000, 0.0000,
2.6101

170.0615,

■ 0.0000, 0.0000,

195.7408, 304.5904

0.8977

208.9232,
239.0623, 363.9869

■ 0.0000, 0.0000,
0.0000

■ 21.6336, 27.1424,
56.9221

■ 21.6336, 27.1424,
56.9221

■ 21.6326, 27.1403,
56.9223

■ 22.6399, 28.7344,
57.1769

■ 23.9585, 30.5250,
57.4530

■ 25.6912, 32.5677,
57.7560

■ 27.8909, 34.8899,
58.0883

■ 30.6021, 37.5152,
58.4521

■ 33.8642, 40.4640,
58.8494

■ 37.7122, 43.7549,
59.2818

■ 42.1784, 47.4049,
59.7509

■ 47.2928, 51.4296,
60.2582

Harmonies

Analogous

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



18.9199, 27.1424, 43.8126



21.6336, 27.1424, 56.9221



25.7579, 27.1424, 62.3753

Triad

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



21.6336, 27.1424, 56.9221



35.5778, 27.1424, 29.6686



21.6955, 27.1424, 12.6937

Complementary

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



21.6336, 27.1424, 56.9221



23.8917, 13.6011, 1.3672

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.



25.8382, 27.1424, 10.9058



21.6336, 27.1424, 56.9221



34.1688, 27.1424, 18.7818

Square

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



21.6336, 27.1424, 56.9221



34.1205, 27.1424, 44.0720



30.4653, 27.1424, 12.7593



18.9525, 27.1424, 18.6350

Rectangle

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



21.6336, 27.1424, 56.9221



28.8682, 27.1424, 59.9839



30.4653, 27.1424, 12.7593



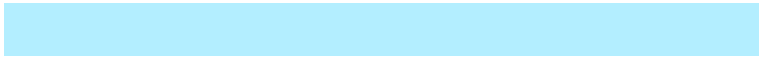
22.9536, 27.1424, 11.6810

Sweetspot

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



21.6345, 27.1433, 56.9228



67.1868, 78.0677, 106.1352



20.3978, 40.1055, 8.9242



13.7257, 16.1559, 22.6449



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.6345, 27.1433, 56.9228



38.5496, 48.2191, 101.8832



11.4853, 6.8449, 53.5397



10.7427, 11.6594, 13.6018



14.2922, 17.9783, 37.4612



0.7269, 0.9516, 1.7905

Inverse Universe

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



28.8595, 14.2044, 31.7933



51.5872, 25.3989, 56.4178



32.5801, 30.9779, 4.2633



10.9801, 10.7754, 12.8787



19.0134, 9.3549, 21.0781



0.9256, 0.4531, 1.1314

Previews

White Background



This preview shows how the XYZ color 21.6336, 27.1424, 56.9221 looks on a white background.

Color Contrast Check

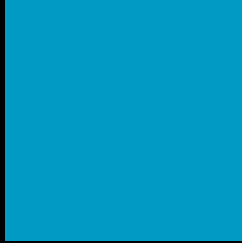
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6336, 27.1424, 56.9221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

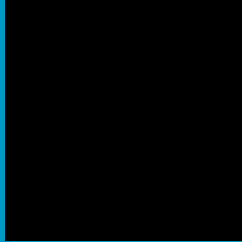
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6336, 27.1424, 56.9221

Background



This preview shows how black text looks on a background with the XYZ color 21.6336, 27.1424, 56.9221.

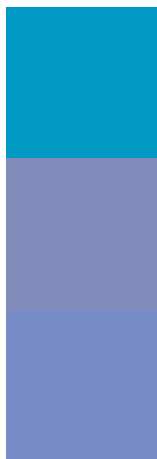


This preview shows how white text looks on a background with the XYZ color 21.6336, 27.1424,

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

21.6336, 27.1424, 56.9221

Protanopia

27.2943, 26.9685, 50.2212

Deuteranopia

27.5491, 26.9194, 58.3875



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

21.6336, 27.1424, 56.9221

Protanomaly

22.8993, 25.7623, 52.4809

Deuteranomaly

23.4147, 25.9108, 57.8000

Tritanomaly

20.0252, 27.0316, 46.8100

Monochromacy



Original Color

21.6336, 27.1424, 56.9221

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4257, 18.8297, 29.2070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6336, 27.1424, 56.9221 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, 154, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 197)  
}
```

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, 154, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 197) }
```

Border

The CSS property to change the border of an element to XYZ 21.6336, 27.1424, 56.9221 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, 154, 197) }
```


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

```
.border{ border-color:rgb(0, 154, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6336, 27.1424, 56.9221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 197) }
```

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

```
.background{ background-color: rgb(0, 154,  
197) }
```

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