

Converting Colors

XYZ(24.0175, 30.5965, 61.7666)

Have a look what the booklet for
XYZ(24.0175, 30.5965, 61.7666)
contains.

XYZ(23.9963, 30.5540, 61.7595)	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(23.9963, 30.5540,
61.7595)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3CC
RGB	0, 163, 204
RGB Percent	0%, 64%, 80%
CMY	0.9998, 0.3608, 0.2000
CMYK	1.00, 0.20, 0.00, 0.20
HSL	192°, 100%, 40%
HSV	192°, 100%, 80%
XYZ	23.9963, 30.5540, 61.7595
YIQ	118.9370, -110.3090, -21.8050

Conversions

Conversions Part 2

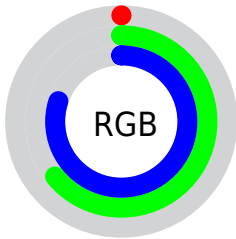
Format	Color
RYB	0, 91, 204
Decimal	41932
CIELab	62.13, -20.75, -30.85
CIELCh	62, 37.180, 236.074
Yxy	30.5540, 0.2063, 0.2627
Android (android.graphics.Color)	4278232012 (0xFF00A3CC)
YUV	118.9370, 41.9361, -104.3077
Hunter-Lab	55.2757, -19.2419, -27.5517

Details

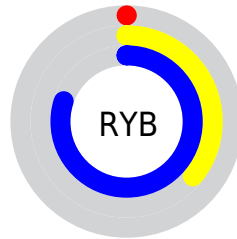
The XYZ color **23.9963, 30.5540, 61.7595** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.6970, 14.4269, 1.4317**, and the grayscale version is **17.4163, 18.3233, 19.9541**.

A 20% lighter version of the original color is **48.4882, 60.1295, 103.6583**, and **11.1895, 13.5709, 30.8839** is the 20% darker color. If you saturate the color by 10%, you get **23.9949, 30.5512, 61.7596**, and if you desaturate by 10%, it is **25.0345, 32.1883, 62.0208**.

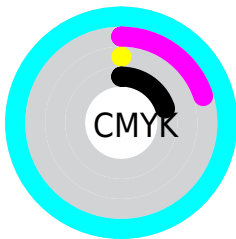
Distribution



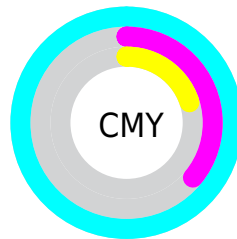
- Red (0%)
- Green (64%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9963, 30.5540, 61.7595 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 23.9963, 30.5540, 61.7595 by changing the saturation by 10% instead.

■ 23.9963, 30.5540,
61.7595

■ 23.9963, 30.5540,
61.7595

265.2426,
304.4783, 449.0367

■ 15.4556, 20.2595,
44.4039

■ 49.4789, 60.5372,
108.9461

■ 9.2281, 12.5838,
30.6486

■ 67.1515, 80.9947,
139.6141

■ 4.9486, 7.1426,
20.0752

■ 88.5987, 105.6086,
175.5567

■ 2.2516, 3.5514,
12.2651

■ 114.1860,
134.7633, 217.1924

■ 0.7697, 1.4259,
6.7998

■ 144.2787,
168.8432, 264.9397

■ 0.0000, 0.2357,
3.2606

179.2421,

■ 0.0000, 0.0000,

208.2328, 319.2171

1.2292

219.4416,
253.3163, 380.4433

■ 0.0000, 0.0000,
0.0027

■ 0.0000, 0.0000,
0.0000

■ 23.9963, 30.5540,
61.7595

■ 23.9963, 30.5540,
61.7595

■ 23.9949, 30.5512,
61.7596

■ 25.0345, 32.1883,
62.0208

■ 26.4091, 34.0309,
62.3040

■ 28.2284, 36.1384,
62.6150

■ 30.5500, 38.5409,
62.9563

■ 33.4225, 41.2637,
63.3305

■ 36.8886, 44.3291,
63.7395

■ 40.9867, 47.7573,
64.1852

■ 45.7517, 51.5665,
64.6693

■ 51.2163, 55.7739,
65.1934

Harmonies

Analogous

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



21.2295, 30.5540, 46.9038



23.9963, 30.5540, 61.7595



28.3870, 30.5540, 69.0123

Triad

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



23.9963, 30.5540, 61.7595



39.7324, 30.5540, 35.1902



25.0149, 30.5540, 14.1522

Complementary

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



23.9963, 30.5540, 61.7595



25.6970, 14.4269, 1.4317

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.



29.7043, 30.5540, 12.6589



23.9963, 30.5540, 61.7595



38.5654, 30.5540, 22.5700

Square

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



23.9963, 30.5540, 61.7595



37.7751, 30.5540, 51.1327



34.7466, 30.5540, 15.2461



21.7684, 30.5540, 20.1403

Rectangle

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



23.9963, 30.5540, 61.7595



31.7860, 30.5540, 67.3789



34.7466, 30.5540, 15.2461



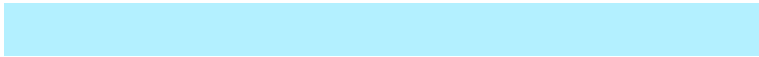
26.4581, 30.5540, 13.1979

Sweetspot

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



23.9974, 30.5551, 61.7603



67.5739, 78.8419, 106.2642



21.9912, 43.3455, 9.2907



13.8191, 16.3426, 22.6760



0.0000, 0.0000, 0.0000



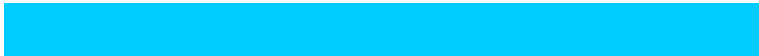
20.3446, 21.4041, 23.3091

Same Dimension

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



23.9974, 30.5551, 61.7603



39.5808, 50.2817, 102.2269



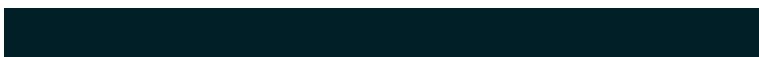
12.5811, 7.7227, 57.9549



11.3443, 12.3290, 14.3522



15.1698, 19.3635, 38.8943



0.8325, 1.0987, 2.0231

Inverse Universe

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



31.5137, 15.4830, 35.9788



52.1078, 25.6071, 59.1589



34.6972, 32.4272, 4.4318



11.5871, 11.3636, 13.6265



19.8679, 9.7577, 22.8208



1.0502, 0.5135, 1.3099

Previews

White Background



This preview shows how the XYZ color 23.9963, 30.5540, 61.7595 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.9963, 30.5540, 61.7595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

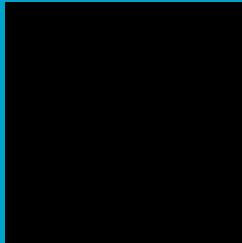
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9963, 30.5540, 61.7595

Background



This preview shows how black text looks on a background with the XYZ color 23.9963, 30.5540, 61.7595.

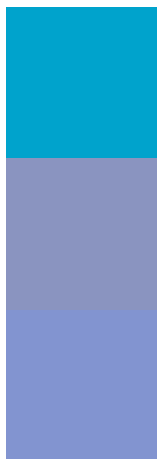


This preview shows how white text looks on a background with the XYZ color 23.9963, 30.5540,

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

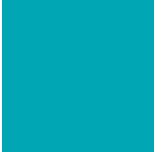
23.9963, 30.5540, 61.7595

Protanopia

30.5856, 30.3889, 54.1228

Deuteranopia

31.1810, 30.4797, 63.9143



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

23.9963, 30.5540, 61.7595

Protanomaly

25.3795, 28.8427, 56.4541

Deuteranomaly

26.2210, 29.1265, 63.2715

Tritanomaly

22.5322, 30.5411, 52.2844

Monochromacy



Original Color

23.9963, 30.5540, 61.7595

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1495, 21.0665, 32.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9963, 30.5540, 61.7595 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, 163, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 204)  
}
```

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, 163, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.9963, 30.5540, 61.7595 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, 163, 204) }
```


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

```
.border{ border-color:rgb(0, 163, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9963, 30.5540, 61.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 204) }
```

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

```
.background{ background-color: rgb(0, 163,  
204) }
```

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