

Converting Colors

XYZ(7.9663, 21.5559, 60.5564)

Have a look what the booklet for
XYZ(7.9663, 21.5559, 60.5564)
contains.

XYZ(23.4699, 29.5012, 61.5841)	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(23.4699, 29.5012,
61.5841)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0CC
RGB	0, 160, 204
RGB Percent	0%, 63%, 80%
CMY	0.9998, 0.3725, 0.2000
CMYK	1.00, 0.22, 0.00, 0.20
HSL	193°, 100%, 40%
HSV	193°, 100%, 80%
XYZ	23.4699, 29.5012, 61.5841
YIQ	117.1760, -109.4840, -20.2360

Conversions

Conversions Part 2

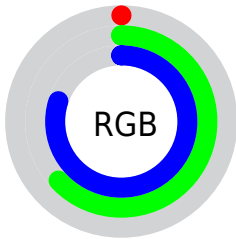
Format	Color
R_{YB}	0, 90, 204
Decimal	41164
CIE Lab	61.22, -19.17, -32.26
CIE LCh	61, 37.522, 239.284
Yxy	29.5012, 0.2049, 0.2575
Android (android.graphics.Color)	4278231244 (0xFF00A0CC)
YUV	117.1760, 42.8042, -102.7634
Hunter-Lab	54.3150, -17.9201, -29.2044

Details

The XYZ color **23.4699, 29.5012, 61.5841** 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 **25.8049, 14.6426, 1.4676**, and the grayscale version is **16.8637, 17.7419, 19.3209**.

A 20% lighter version of the original color is **47.7173, 58.5876, 103.4013**, and **10.8676, 12.9271, 30.7766** is the 20% darker color. If you saturate the color by 10%, you get **23.4685, 29.4982, 61.5842**, and if you desaturate by 10%, it is **24.5446, 31.2085, 61.8576**.

Distribution



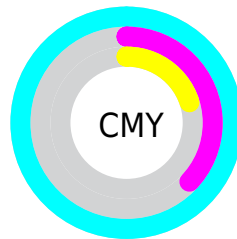
- Red (0%)
- Green (63%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4699, 29.5012, 61.5841 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 23.4699, 29.5012, 61.5841 by changing the saturation by 10% instead.

■ 23.4699, 29.5012,
61.5841

■ 23.4699, 29.5012,
61.5841

■ 262.6199,
299.5725, 448.3781

■ 15.0635, 19.4603,
44.2631

■ 48.6248, 58.8725,
108.6900

■ 8.9505, 12.0033,
30.5387

■ 66.1039, 78.9716,
139.3119

■ 4.7658, 6.7460,
19.9923

■ 87.3380, 103.1923,
175.2046

■ 2.1438, 3.3037,
12.2054

■ 112.6923,
131.9189, 216.7866

■ 0.7129, 1.2923,
6.7595

■ 142.5324,
165.5358, 264.4764

■ 0.0000, 0.1352,
3.2360

177.2234,

■ 0.0000, 0.0000,

204.4274, 318.6926

1.2164

217.1308,
248.9782, 379.8536

■ 0.0000, 0.0000,
0.0000

■ 23.4699, 29.5012,
61.5841

■ 23.4699, 29.5012,
61.5841

■ 23.4685, 29.4982,
61.5842

■ 24.5446, 31.2085,
61.8576

■ 25.9591, 33.1310,
62.1541

■ 27.8219, 35.3254,
62.4795

■ 30.1905, 37.8219,
62.8365

■ 33.1136, 40.6460,
63.2276

■ 36.6339, 43.8200,
63.6547

■ 40.7900, 47.3641,
64.1197

■ 45.6167, 51.2968,
64.6244

■ 51.1468, 55.6352,
65.1703

Harmonies

Analogous

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



20.5556, 29.5012, 47.3216



23.4699, 29.5012, 61.5841



27.9217, 29.5012, 67.6496

Triad

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



23.4699, 29.5012, 61.5841



38.6312, 29.5012, 32.4622



23.6526, 29.5012, 13.7798

Complementary

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



23.4699, 29.5012, 61.5841



25.8049, 14.6426, 1.4676

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.



28.1586, 29.5012, 11.8995



23.4699, 29.5012, 61.5841



37.1509, 29.5012, 20.5846

Square

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



23.4699, 29.5012, 61.5841



37.0082, 29.5012, 48.0863



33.1679, 29.5012, 13.9736



20.6520, 29.5012, 20.1510

Rectangle

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



23.4699, 29.5012, 61.5841



31.2898, 29.5012, 65.1801



33.1679, 29.5012, 13.9736



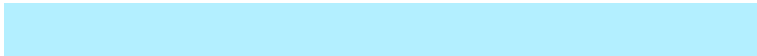
25.0234, 29.5012, 12.7018

Sweetspot

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



23.4709, 29.5022, 61.5848



67.2443, 78.1828, 106.1544



21.9912, 43.3455, 9.2906



13.7396, 16.1837, 22.6496



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.



23.4709, 29.5022, 61.5848



38.7015, 48.5230, 101.9338



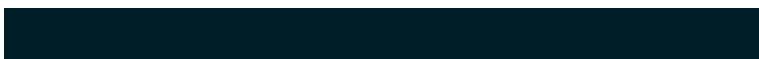
12.5811, 7.7226, 57.9549



11.3299, 12.3003, 14.3474



14.8416, 18.7072, 38.7849



0.8181, 1.0700, 2.0184

Inverse Universe

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



31.2480, 15.3767, 34.5796



51.6639, 25.4296, 56.8216



34.6972, 32.4272, 4.4317



11.5799, 11.3607, 13.5883



19.7023, 9.6915, 21.9486



1.0429, 0.5106, 1.2718

Previews

White Background



This preview shows how the XYZ color 23.4699, 29.5012, 61.5841 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 23.4699, 29.5012, 61.5841 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

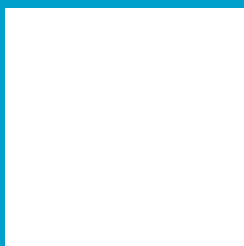
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4699, 29.5012, 61.5841

Background



This preview shows how black text looks on a background with the XYZ color 23.4699, 29.5012, 61.5841.

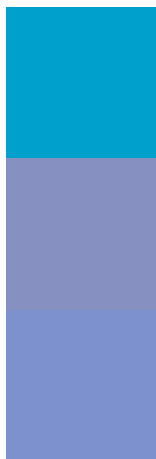


This preview shows how white text looks on a background with the XYZ color 23.4699, 29.5012,

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

23.4699, 29.5012, 61.5841

Protanopia

29.5826, 29.1694, 54.5232

Deuteranopia

29.8453, 29.1158, 63.0784



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



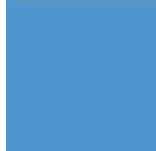
Original Color

23.4699, 29.5012, 61.5841



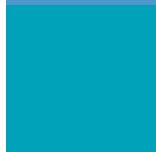
Protanomaly

24.7307, 27.7752, 56.8810



Deuteranomaly

25.3552, 27.9744, 62.4558



Tritanomaly

21.7833, 29.3858, 50.9783

Monochromacy



Original Color

23.4699, 29.5012, 61.5841



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.6364, 20.4008, 31.4947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4699, 29.5012, 61.5841 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, 160, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 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, 160, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.4699, 29.5012, 61.5841 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, 160, 204) }
```


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

```
.border{ border-color:rgb(0, 160, 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, 160, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4699, 29.5012, 61.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 204) }
```

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

```
.background{ background-color: rgb(0, 160,  
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