

Converting Colors

XYZ(5.7649, 20.7062, 60.6104)

Have a look what the booklet for
XYZ(5.7649, 20.7062, 60.6104)
contains.

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Color

**XYZ(23.6440, 29.8494,
61.6421)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1CC
RGB	0, 161, 204
RGB Percent	0%, 63%, 80%
CMY	0.9998, 0.3686, 0.2000
CMYK	1.00, 0.21, 0.00, 0.20
HSL	193°, 100%, 40%
HSV	193°, 100%, 80%
XYZ	23.6440, 29.8494, 61.6421
YIQ	117.7630, -109.7590, -20.7590

Conversions

Conversions Part 2

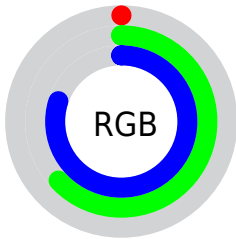
Format	Color
R _{YB}	0, 90, 204
Decimal	41420
CIE _{Lab}	61.52, -19.70, -31.79
CIE _{LCh}	62, 37.396, 238.218
Yxy	29.8494, 0.2054, 0.2593
Android (android.graphics.Color)	4278231500 (0xFF00A1CC)
YUV	117.7630, 42.5148, -103.2782
Hunter-Lab	54.6346, -18.3618, -28.6504

Details

The XYZ color **23.6440, 29.8494, 61.6421** 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 **25.7680, 14.5689, 1.4554**, and the grayscale version is **17.0468, 17.9345, 19.5307**.

A 20% lighter version of the original color is **47.9727, 59.0984, 103.4865**, and **10.9737, 13.1393, 30.8119** is the 20% darker color. If you saturate the color by 10%, you get **23.6426, 29.8465, 61.6422**, and if you desaturate by 10%, it is **24.7068, 31.5328, 61.9116**.

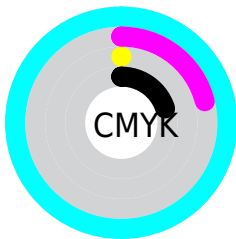
Distribution



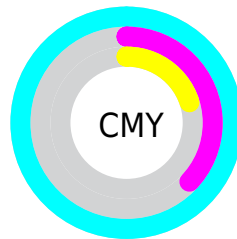
- Red (0%)
- Green (63%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6440, 29.8494, 61.6421 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 23.6440, 29.8494, 61.6421 by changing the saturation by 10% instead.

■ 23.6440, 29.8494,
61.6421

■ 23.6440, 29.8494,
61.6421

263.4897,
301.2018, 448.5960

■ 15.1931, 19.7243,
44.3097

■ 48.9075, 59.4239,
108.7747

■ 9.0422, 12.1948,
30.5750

■ 66.4509, 79.6422,
139.4119

■ 4.8260, 6.8765,
20.0197

■ 87.7557, 103.9936,
175.3211

■ 2.1793, 3.3850,
12.2252

■ 113.1873,
132.8625, 216.9208

■ 0.7318, 1.3359,
6.7728

■ 143.1112,
166.6334, 264.6296

■ 0.0000, 0.1687,
3.2441

177.8927,

■ 0.0000, 0.0000,

205.6907, 318.8661

1.2206

217.8970,
250.4187, 380.0487

■ 0.0000, 0.0000,
0.0000

■ 23.6440, 29.8494,
61.6421

■ 23.6440, 29.8494,
61.6421

■ 23.6426, 29.8465,
61.6422

■ 24.7068, 31.5328,
61.9116

■ 26.1082, 33.4292,
62.2038

■ 27.9567, 35.5951,
62.5244

■ 30.3099, 38.0606,
62.8763

■ 33.2163, 40.8512,
63.2618

■ 36.7186, 43.9893,
63.6829

■ 40.8554, 47.4949,
64.1415

■ 45.6617, 51.3866,
64.6393

■ 51.1700, 55.6814,
65.1780

Harmonies

Analogous

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



20.7782, 29.8494, 47.1807



23.6440, 29.8494, 61.6421



28.0757, 29.8494, 68.1027

Triad

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



23.6440, 29.8494, 61.6421



38.9962, 29.8494, 33.3568



24.1014, 29.8494, 13.9025

Complementary

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



23.6440, 29.8494, 61.6421



25.7680, 14.5689, 1.4554

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.



28.6683, 29.8494, 12.1488



23.6440, 29.8494, 61.6421



37.6190, 29.8494, 21.2337

Square

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



23.6440, 29.8494, 61.6421



37.2626, 29.8494, 49.0901



33.6893, 29.8494, 14.3898



21.0199, 29.8494, 20.1463

Rectangle

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



23.6440, 29.8494, 61.6421



31.4542, 29.8494, 65.9093



33.6893, 29.8494, 14.3898



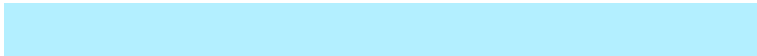
25.4961, 29.8494, 12.8652

Sweetspot

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



23.6450, 29.8504, 61.6428



67.3539, 78.4020, 106.1909



21.9912, 43.3455, 9.2906



13.7660, 16.2365, 22.6584



0.0000, 0.0000, 0.0000



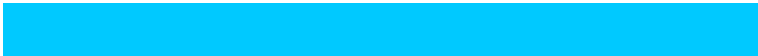
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6450, 29.8504, 61.6428



38.9923, 49.1046, 102.0308



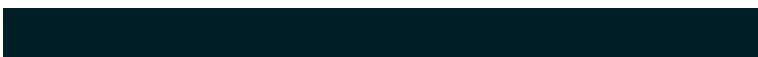
12.5811, 7.7226, 57.9549



11.3347, 12.3098, 14.3490



14.9502, 18.9243, 38.8211



0.8229, 1.0795, 2.0199

Inverse Universe

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



31.3358, 15.4119, 35.0423



51.8107, 25.4883, 57.5945



34.6972, 32.4272, 4.4318



11.5823, 11.3617, 13.6010



19.7571, 9.7134, 22.2371



1.0453, 0.5115, 1.2844

Previews

White Background



This preview shows how the XYZ color 23.6440, 29.8494, 61.6421 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 23.6440, 29.8494, 61.6421 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

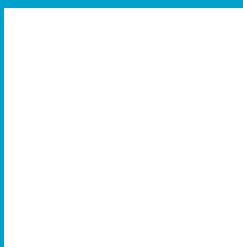
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6440, 29.8494, 61.6421

Background



This preview shows how black text looks on a background with the XYZ color 23.6440, 29.8494, 61.6421.

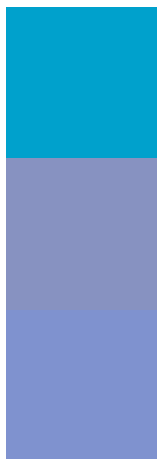


This preview shows how white text looks on a background with the XYZ color 23.6440, 29.8494,

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

23.6440, 29.8494, 61.6421

Protanopia

29.8962, 29.5589, 54.5818

Deuteranopia

30.2938, 29.5748, 63.1433



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



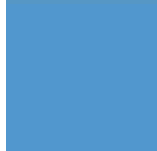
Original Color

23.6440, 29.8494, 61.6421



Protanomaly

24.9824, 28.1429, 56.9387



Deuteranomaly

25.6005, 28.3388, 62.5132



Tritanomaly

22.0668, 29.7822, 51.5992

Monochromacy



Original Color

23.6440, 29.8494, 61.6421



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.8516, 20.7160, 31.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6440, 29.8494, 61.6421 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, 161, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 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, 161, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.6440, 29.8494, 61.6421 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, 161, 204) }
```


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

```
.border{ border-color:rgb(0, 161, 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, 161, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6440, 29.8494, 61.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 204) }
```

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

```
.background{ background-color: rgb(0, 161,  
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](#).

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