

Converting Colors

XYZ(20.3663, 27.2987, 61.2611)

Have a look what the booklet for
XYZ(20.3663, 27.2987, 61.2611)
contains.

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Color

**XYZ(23.1259, 28.8134,
61.4694)**

Conversions

Conversions Part 1

Format	Color
Hex	009ECC
RGB	0, 158, 204
RGB Percent	0%, 62%, 80%
CMY	0.9998, 0.3804, 0.2000
CMYK	1.00, 0.23, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	23.1259, 28.8134, 61.4694
YIQ	116.0020, -108.9340, -19.1900

Conversions

Conversions Part 2

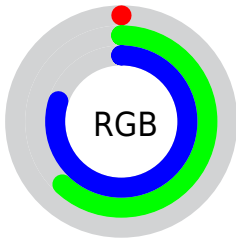
Format	Color
R_{YB}	0, 89, 204
Decimal	40652
CIE _{Lab}	60.62, -18.10, -33.20
CIE _{LCh}	61, 37.812, 241.402
Yxy	28.8134, 0.2039, 0.2541
Android (android.graphics.Color)	4278230732 (0xFF009ECC)
YUV	116.0020, 43.3830, -101.7338
Hunter-Lab	53.6781, -17.0344, -30.3212

Details

The XYZ color **23.1259, 28.8134, 61.4694** 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 **25.8808, 14.7945, 1.4927**, and the grayscale version is **16.5003, 17.3596, 18.9046**.

A 20% lighter version of the original color is **47.0998, 57.5178, 103.2274**, and **10.7627, 12.7174, 30.7416** is the 20% darker color. If you saturate the color by 10%, you get **23.1249, 28.8111, 61.4696**, and if you desaturate by 10%, it is **24.2235, 30.5666, 61.7505**.

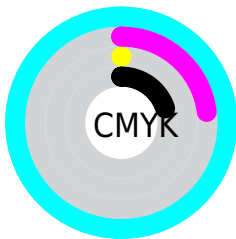
Distribution



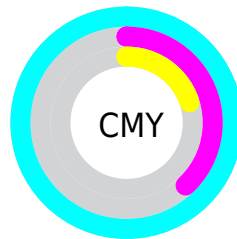
- Red (0%)
- Green (62%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1259, 28.8134, 61.4694 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 23.1259, 28.8134, 61.4694 by changing the saturation by 10% instead.

■ 23.1259, 28.8134,
61.4694

■ 23.1259, 28.8134,
61.4694

260.8943,
296.3335, 447.9471

■ 14.8077, 18.9397,
44.1711

■ 48.0651, 57.7805,
108.5224

■ 8.7700, 11.6267,
30.4668

■ 65.4168, 77.6427,
139.1142

■ 4.6474, 6.4900,
19.9382

■ 86.5104, 101.6031,
174.9743

■ 2.0745, 3.1453,
12.1665

■ 111.7113,
130.0463, 216.5211

■ 0.6753, 1.2080,
6.7332

■ 141.3848,
163.3565, 264.1733

■ 0.0000, 0.0683,
3.2199

175.8962,

■ 0.0000, 0.0000,

201.9182, 318.3493

1.2080

215.6109,
246.1157, 379.4677

■ 0.0000, 0.0000,
0.0000

■ 23.1259, 28.8134,
61.4694

■ 23.1259, 28.8134,
61.4694

■ 23.1249, 28.8111,
61.4696

■ 24.2235, 30.5666,
61.7505

■ 25.6633, 32.5399,
62.0555

■ 27.5538, 34.7901,
62.3902

■ 29.9525, 37.3472,
62.7574

■ 32.9083, 40.2369,
63.1594

■ 36.4638, 43.4818,
63.5983

■ 40.6576, 47.1019,
64.0760

■ 45.5248, 51.1159,
64.5943

■ 51.0979, 55.5409,
65.1546

Harmonies

Analogous

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



20.1163, 28.8134, 47.6078



23.1259, 28.8134, 61.4694



27.6171, 28.8134, 66.7472

Triad

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



23.1259, 28.8134, 61.4694



37.9078, 28.8134, 30.7181



22.7715, 28.8134, 13.5388

Complementary

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



23.1259, 28.8134, 61.4694



25.8808, 14.7945, 1.4927

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.



27.1567, 28.8134, 11.4122



23.1259, 28.8134, 61.4694



36.2255, 28.8134, 19.3251

Square

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



23.1259, 28.8134, 61.4694



36.5036, 28.8134, 46.1155



32.1402, 28.8134, 13.1657



19.9295, 28.8134, 20.1638

Rectangle

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



23.1259, 28.8134, 61.4694



30.9644, 28.8134, 63.7339



32.1402, 28.8134, 13.1657



24.0950, 28.8134, 12.3810

Sweetspot

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



23.1269, 28.8144, 61.4701



67.0260, 77.7462, 106.0816



22.0525, 43.3700, 9.6147



13.6870, 16.0785, 22.6320



0.0000, 0.0000, 0.0000



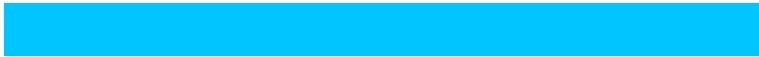
20.3446, 21.4041, 23.3091

Same Dimension

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



23.1269, 28.8144, 61.4701



38.1279, 47.3758, 101.7426



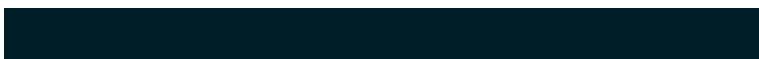
12.4041, 7.3688, 57.8959



11.3204, 12.2812, 14.3442



14.6274, 18.2788, 38.7135



0.8087, 1.0512, 2.0152

Inverse Universe

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



31.0743, 15.3070, 33.6655



51.3744, 25.3138, 55.2969



35.2139, 33.4607, 4.6037



11.5751, 11.3588, 13.5629



19.5941, 9.6482, 21.3792



1.0381, 0.5087, 1.2467

Previews

White Background



This preview shows how the XYZ color 23.1259, 28.8134, 61.4694 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 23.1259, 28.8134, 61.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

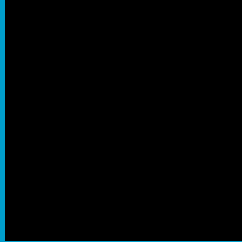
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1259, 28.8134, 61.4694

Background



This preview shows how black text looks on a background with the XYZ color 23.1259, 28.8134, 61.4694.

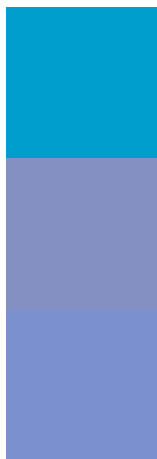


This preview shows how white text looks on a background with the XYZ color 23.1259, 28.8134,

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

23.1259, 28.8134, 61.4694

Protanopia

29.1146, 28.7023, 54.4577

Deuteranopia

29.2618, 28.5891, 63.0075



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



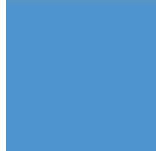
Original Color

23.1259, 28.8134, 61.4694



Protanomaly

24.4816, 27.4109, 56.8238



Deuteranomaly

25.0299, 27.5708, 62.3950



Tritanomaly

21.5018, 28.9925, 50.3618

Monochromacy



Original Color

23.1259, 28.8134, 61.4694



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.2856, 19.8266, 30.9855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1259, 28.8134, 61.4694 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, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.1259, 28.8134, 61.4694 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, 158, 204) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1259, 28.8134, 61.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 204) }
```

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

```
.background{ background-color: rgb(0, 158,  
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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