

Converting Colors

XYZ(23.5019, 28.8824, 63.7001)

Have a look what the booklet for
XYZ(23.5019, 28.8824, 63.7001)
contains.

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Color

**XYZ(23.6120, 29.0078,
64.0291)**

Conversions

Conversions Part 1

Format	Color
Hex	009ED0
RGB	0, 158, 208
RGB Percent	0%, 62%, 82%
CMY	0.9998, 0.3804, 0.1843
CMYK	1.00, 0.24, 0.00, 0.18
HSL	194°, 100%, 41%
HSV	194°, 100%, 82%
XYZ	23.6120, 29.0078, 64.0291
YIQ	116.4580, -110.2180, -17.9460

Conversions

Conversions Part 2

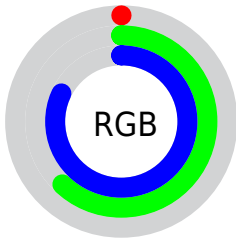
Format	Color
R _{YB}	0, 90, 208
Decimal	40656
CIE _{Lab}	60.79, -16.67, -35.17
CIE _{LCh}	61, 38.916, 244.640
Y _{xy}	29.0078, 0.2024, 0.2487
Android (android.graphics.Color)	4278230736 (0xFF009ED0)
YUV	116.4580, 45.1302, -102.1337
Hunter-Lab	53.8589, -15.9978, -32.7845

Details

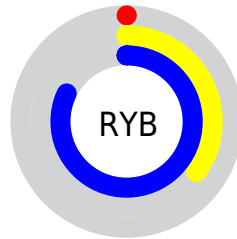
The XYZ color **23.6120, 29.0078, 64.0291** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.1554, 15.6950, 1.5995**, and the grayscale version is **16.6354, 17.5017, 19.0593**.

A 20% lighter version of the original color is **47.2111, 57.5752, 103.2326**, and **11.0075, 12.8153, 32.0304** is the 20% darker color. If you saturate the color by 10%, you get **23.6107, 29.0049, 64.0292**, and if you desaturate by 10%, it is **24.7890, 30.9073, 64.3343**.

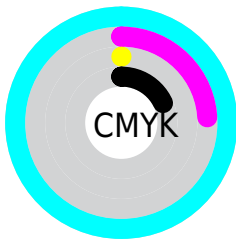
Distribution



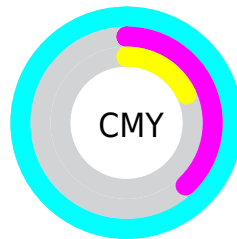
- Red (0%)
- Green (62%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6120, 29.0078, 64.0291 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 23.6120, 29.0078, 64.0291 by changing the saturation by 10% instead.

■ 23.6120, 29.0078,
64.0291

■ 23.6120, 29.0078,
64.0291

263.3300,
297.2518, 457.5051

■ 15.1692, 19.0867,
46.2279

■ 48.8556, 58.0895,
112.2527

■ 9.0253, 11.7330,
32.0757

■ 66.3871, 78.0189,
143.5122

■ 4.8149, 6.5621,
21.1541

■ 87.6790, 102.0531,
180.0949

■ 2.1727, 3.1898,
13.0443

■ 113.0964,
130.5767, 222.4193

■ 0.7283, 1.2316,
7.3280

■ 143.0049,
163.9740, 270.9040

■ 0.0000, 0.0873,
3.5865

177.7698,

■ 0.0000, 0.0000,

202.6293, 325.9675

1.4014

217.7564,
246.9271, 388.0283

■ 0.0000, 0.0000,
0.1428

■ 0.0000, 0.0000,
0.0000

■ 23.6120, 29.0078,
64.0291

■ 23.6120, 29.0078,
64.0291

■ 23.6107, 29.0049,
64.0292

■ 24.7890, 30.9073,
64.3343

■ 26.3290, 33.0456,
64.6659

■ 28.3444, 35.4817,
65.0299

■ 30.8958, 38.2474,
65.4292

■ 34.0343, 41.3696,
65.8665

■ 37.8050, 44.8722,
66.3438

■ 42.2482, 48.7764,
66.8632

■ 47.4010, 53.1019,
67.4265

■ 53.2973, 57.8668,
68.0355

Harmonies

Analogous

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



20.3189, 29.0078, 50.2084



23.6120, 29.0078, 64.0291



28.3652, 29.0078, 68.2724

Triad

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



23.6120, 29.0078, 64.0291



38.4445, 29.0078, 29.3847



22.4044, 29.0078, 13.7647

Complementary

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



23.6120, 29.0078, 64.0291



27.1554, 15.6950, 1.5995

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.



26.7918, 29.0078, 11.1630



23.6120, 29.0078, 64.0291



36.3712, 29.0078, 18.2509

Square

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



23.6120, 29.0078, 64.0291



37.3256, 29.0078, 45.0784



31.9496, 29.0078, 12.5098



19.6838, 29.0078, 21.0943

Rectangle

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



23.6120, 29.0078, 64.0291



31.8275, 29.0078, 64.2663



31.9496, 29.0078, 12.5098



23.7120, 29.0078, 12.4302

Sweetspot

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



23.6130, 29.0088, 64.0298



66.6956, 77.0853, 105.9715



23.1020, 45.3306, 10.3902



13.6075, 15.9194, 22.6055



0.0000, 0.0000, 0.0000



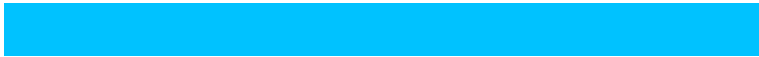
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6130, 29.0088, 64.0298



37.2729, 45.6659, 101.4576



12.7759, 7.3345, 60.4174



11.9075, 12.9053, 15.1070



14.7936, 18.2338, 39.9323



0.8865, 1.1382, 2.2525

Inverse Universe

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



32.1849, 15.8797, 33.7174



50.9429, 25.1411, 53.0245



37.3300, 36.0442, 4.9910



12.1842, 11.9584, 14.2458



20.0979, 9.9120, 21.2193



1.1537, 0.5662, 1.3441

Previews

White Background



This preview shows how the XYZ color 23.6120, 29.0078, 64.0291 looks on a white background.

Color Contrast Check

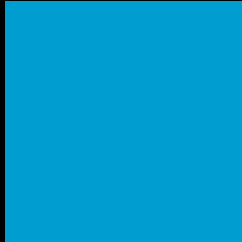
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6120, 29.0078, 64.0291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

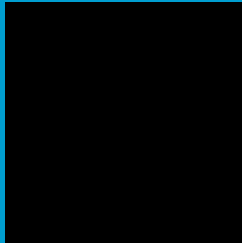
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6120, 29.0078, 64.0291

Background



This preview shows how black text looks on a background with the XYZ color 23.6120, 29.0078, 64.0291.

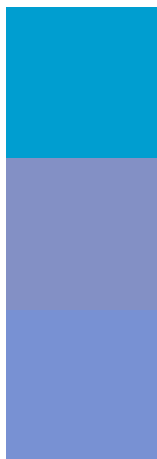


This preview shows how white text looks on a background with the XYZ color 23.6120, 29.0078,

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

23.6120, 29.0078, 64.0291

Protanopia

29.4114, 28.8030, 56.8327

Deuteranopia

29.6290, 28.9470, 65.6537



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

23.6120, 29.0078, 64.0291

Protanomaly

24.8573, 27.5509, 59.2661

Deuteranomaly

25.5197, 28.0023, 65.0327

Tritanomaly

21.7145, 29.0776, 51.4818

Monochromacy



Original Color

23.6120, 29.0078, 64.0291

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3652, 19.8584, 31.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6120, 29.0078, 64.0291 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 208) }
```

Border

The CSS property to change the border of an element to XYZ 23.6120, 29.0078, 64.0291 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, 208) }
```


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

```
.border{ border-color:rgb(0, 158, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 158, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 158, 208); box-shadow:4px 4px 4px 4px rgb(0, 158, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6120, 29.0078, 64.0291 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, 208) }
```

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

```
.background{ background-color: rgb(0, 158,  
208) }
```

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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