

Converting Colors

XYZ(23.9960, 29.2199, 63.4068)

Have a look what the booklet for
XYZ(23.9960, 29.2199, 63.4068)
contains.

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Color

**XYZ(23.9960, 29.2199,
63.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	1D9ECF
RGB	29, 158, 207
RGB Percent	11%, 62%, 81%
CMY	0.8862, 0.3804, 0.1882
CMYK	0.86, 0.24, 0.00, 0.19
HSL	197°, 75%, 46%
HSV	197°, 86%, 81%
XYZ	23.9960, 29.2199, 63.4068
YIQ	125.0150, -92.6130, -12.1090

Conversions

Conversions Part 2

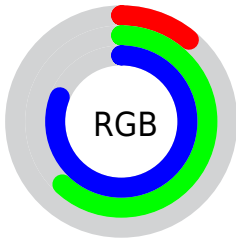
Format	Color
R _Y B	29, 104, 207
Decimal	1941199
CIE Lab	60.98, -15.78, -34.30
CIE LCh	61, 37.754, 245.297
Yxy	29.2199, 0.2058, 0.2506
Android (android.graphics.Color)	4280131279 (0xFF1D9ECF)
YUV	125.0150, 40.4186, -84.2052
Hunter-Lab	54.0554, -15.3582, -31.7081

Details

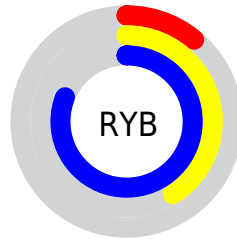
The XYZ color **23.9960, 29.2199, 63.4068** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.6801, 18.8057, 3.2819**, and the grayscale version is **19.3909, 20.4008, 22.2164**.

A 20% lighter version of the original color is **48.0286, 57.9966, 103.2708**, and **10.9252, 12.7824, 31.5972** is the 20% darker color. If you saturate the color by 10%, you get **22.6442, 27.1137, 63.0721**, and if you desaturate by 10%, it is **25.7862, 31.6200, 63.7763**.

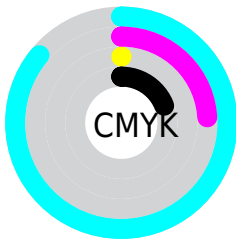
Distribution



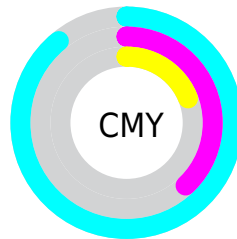
- Red (11%)
- Green (62%)
- Blue (81%)



- Red (11%)
- Yellow (41%)
- Blue (81%)



- Cyan (86%)
- Magenta (24%)
- Yellow (0%)
- Black (19%)



- Cyan (89%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9960, 29.2199, 63.4068 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 23.9960, 29.2199, 63.4068 by changing the saturation by 10% instead.

■ 23.9960, 29.2199,
63.4068

■ 23.9960, 29.2199,
63.4068

265.2411,
298.2511, 455.1929

■ 15.4554, 19.2472,
45.7273

■ 49.4784, 58.4263,
111.3474

■ 9.2280, 11.8491,
31.6836

■ 67.1509, 78.4288,
142.4456

■ 4.9485, 6.6410,
20.8571

■ 88.5980, 102.5434,
178.8537

■ 2.2515, 3.2386,
12.8294

■ 114.1852,
131.1544, 220.9904

■ 0.7697, 1.2575,
7.1818

■ 144.2777,
164.6463, 269.2741

■ 0.0000, 0.1080,
3.4959

179.2410,

■ 0.0000, 0.0000,

203.4035, 324.1234

1.3531

219.4403,
247.8103, 385.9568

■ 0.0000, 0.0000,
0.1047

■ 0.0000, 0.0000,
0.0000

■ 23.9960, 29.2199,
63.4068

■ 23.9960, 29.2199,
63.4068

■ 22.6442, 27.1137,
63.0721

■ 25.7862, 31.6200,
63.7763

■ 22.1710, 26.3218,
62.9442

■ 28.0812, 34.3476,
64.1818

■ 30.9379, 37.4335,
64.6269

■ 34.4044, 40.9033,
65.1139

■ 38.5234, 44.7798,
65.6451

■ 43.3335, 49.0837,
66.2223

■ 48.8701, 53.8341,
66.8474

■ 55.1664, 59.0489,
67.5221

■ 62.2531, 64.7447,
68.2480

Harmonies

Analogous

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



20.7312, 29.2199, 50.2245



23.9960, 29.2199, 63.4068



28.6571, 29.2199, 67.2326

Triad

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



23.9960, 29.2199, 63.4068



38.3228, 29.2199, 29.3740



22.6468, 29.2199, 14.4020

Complementary

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



23.9960, 29.2199, 63.4068



28.6801, 18.8057, 3.2819

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.



26.9065, 29.2199, 11.7146



23.9960, 29.2199, 63.4068



36.2513, 29.2199, 18.5642

Square

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



23.9960, 29.2199, 63.4068



37.3068, 29.2199, 44.5650



31.9261, 29.2199, 12.9741



20.0193, 29.2199, 21.7640

Rectangle

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



23.9960, 29.2199, 63.4068



32.0240, 29.2199, 63.2184



31.9261, 29.2199, 12.9741



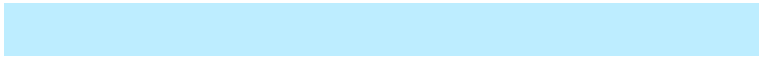
23.9152, 29.2199, 13.0397

Sweetspot

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



23.9970, 29.2209, 63.4075



69.1730, 78.4226, 106.0990



24.1416, 45.4161, 14.4193



14.2025, 16.2527, 22.6385



0.0000, 0.0000, 0.0000



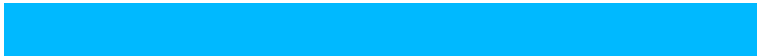
20.3446, 21.4041, 23.3091

Same Dimension

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



23.9970, 29.2209, 63.4075



35.3566, 41.8332, 100.8189



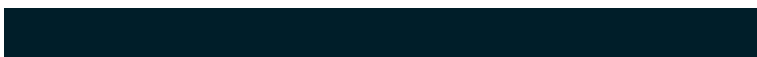
13.9945, 9.2158, 60.0733



11.8717, 12.8337, 15.0951



14.0513, 16.7491, 39.6848



0.8502, 1.0655, 2.2404

Inverse Universe

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



32.3440, 16.6139, 33.8507



49.9756, 24.7542, 47.9309



39.4948, 40.4352, 6.8868



12.1662, 11.9512, 14.1508



19.7232, 9.7621, 19.2462



1.1354, 0.5589, 1.2476

Previews

White Background



This preview shows how the XYZ color 23.9960, 29.2199, 63.4068 looks on a white background.

Color Contrast Check

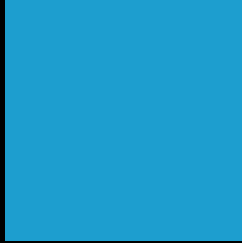
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9960, 29.2199, 63.4068 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 23.9960, 29.2199, 63.4068

Background



This preview shows how black text looks on a background with the XYZ color 23.9960, 29.2199, 63.4068.

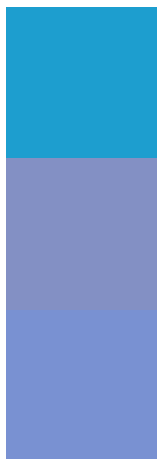


This preview shows how white text looks on a background with the XYZ color 23.9960, 29.2199,

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

23.9960, 29.2199, 63.4068

Protanopia

29.2971, 28.7573, 56.2311

Deuteranopia

29.6434, 28.9689, 65.0019



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

23.9960, 29.2199, 63.4068



Protanomaly

25.7889, 28.0447, 58.6975



Deuteranomaly

26.4395, 28.4908, 64.4274



Tritanomaly

21.8525, 29.1487, 51.4882

Monochromacy



Original Color

23.9960, 29.2199, 63.4068



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.0785, 22.4315, 34.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9960, 29.2199, 63.4068 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(29, 158, 207)` looks like.

```
.text, #text, p{  
    color:rgb(29, 158, 207)  
}
```

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(29, 158, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 158, 207) }
```

Border

The CSS property to change the border of an element to XYZ 23.9960, 29.2199, 63.4068 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(29, 158, 207) }
```


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

```
.border{ border-color:rgb(29, 158, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 158, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 158, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 158, 207);  
box-shadow:4px 4px 4px 4px rgb(29, 158,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9960, 29.2199, 63.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 158, 207) }
```

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

```
.background{ background-color: rgb(29, 158,  
207) }
```

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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