

Converting Colors

XYZ(23.8234, 28.5715, 63.0022)

Have a look what the booklet for
XYZ(23.8234, 28.5715, 63.0022)
contains.

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Color

**XYZ(23.9139, 28.6752,
63.3060)**

Conversions

Conversions Part 1

Format	Color
Hex	259CCF
RGB	37, 156, 207
RGB Percent	15%, 61%, 81%
CMY	0.8548, 0.3882, 0.1882
CMYK	0.82, 0.25, 0.00, 0.19
HSL	198°, 70%, 48%
HSV	198°, 82%, 81%
XYZ	23.9139, 28.6752, 63.3060
YIQ	126.2330, -87.2950, -9.3670

Conversions

Conversions Part 2

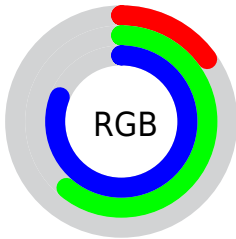
Format	Color
R _Y B	37, 107, 207
Decimal	2464975
CIE Lab	60.49, -14.06, -35.04
CIE LCh	60, 37.757, 248.131
Yxy	28.6752, 0.2063, 0.2474
Android (android.graphics.Color)	4280655055 (0xFF259CCF)
YUV	126.2330, 39.8181, -78.2573
Hunter-Lab	53.5492, -13.9970, -32.6083

Details

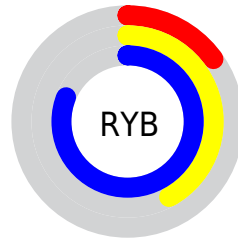
The XYZ color **23.9139, 28.6752, 63.3060** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **29.5576, 20.3813, 4.1278**, and the grayscale version is **19.8025, 20.8337, 22.6879**.

A 20% lighter version of the original color is **47.6521, 56.6927, 103.0390**, and **10.7191, 12.3701, 31.5285** is the 20% darker color. If you saturate the color by 10%, you get **22.3548, 26.3641, 62.9427**, and if you desaturate by 10%, it is **25.9489, 31.3116, 63.7082**.

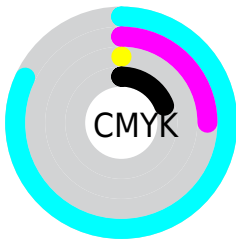
Distribution



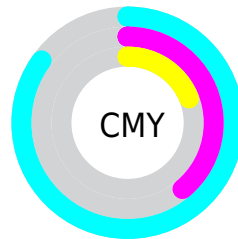
- Red (15%)
- Green (61%)
- Blue (81%)



- Red (15%)
- Yellow (42%)
- Blue (81%)



- Cyan (82%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (85%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9139, 28.6752, 63.3060 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 23.9139, 28.6752, 63.3060 by changing the saturation by 10% instead.

■ 23.9139, 28.6752,
63.3060

■ 23.9139, 28.6752,
63.3060

264.8335,
295.6794, 454.8177

■ 15.3942, 18.8353,
45.6462

■ 49.3454, 57.5606,
111.2007

■ 9.1846, 11.5513,
31.6201

■ 66.9878, 77.3749,
142.2727

■ 4.9199, 6.4389,
20.8091

■ 88.4018, 101.2828,
178.6525

■ 2.2346, 3.1138,
12.7946

■ 113.9528,
129.6686, 220.7586

■ 0.7609, 1.1914,
7.1582

■ 144.0061,
162.9168, 269.0097

■ 0.0000, 0.0547,
3.4813

178.9271,

■ 0.0000, 0.0000,

201.4117, 323.8242

1.3453

219.0811,
245.5378, 385.6207

■ 0.0000, 0.0000,
0.0985

■ 0.0000, 0.0000,
0.0000

■ 23.9139, 28.6752,
63.3060

■ 23.9139, 28.6752,
63.3060

■ 22.3548, 26.3641,
62.9427

■ 25.9489, 31.3116,
63.7082

■ 21.3721, 24.7240,
62.6779

■ 28.5196, 34.3040,
64.1503

■ 31.6797, 37.6817,
64.6357

■ 35.4752, 41.4693,
65.1668

■ 39.9471, 45.6893,
65.7456

■ 45.1330, 50.3619,
66.3742

■ 51.0675, 55.5061,
67.0543

■ 57.7830, 61.1395,
67.7877

■ 65.3096, 67.2787,
68.5760

Harmonies

Analogous

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



20.5333, 28.6752, 50.8796



23.9139, 28.6752, 63.3060



28.6008, 28.6752, 66.0028

Triad

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



23.9139, 28.6752, 63.3060



37.6146, 28.6752, 27.5811



21.8726, 28.6752, 14.5226

Complementary

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



23.9139, 28.6752, 63.3060



29.5576, 20.3813, 4.1278

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.



25.9519, 28.6752, 11.4889



23.9139, 28.6752, 63.3060



35.3034, 28.6752, 17.4191

Square

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



23.9139, 28.6752, 63.3060



36.9006, 28.6752, 42.3138



30.8935, 28.6752, 12.3626



19.4562, 28.6752, 22.2613

Rectangle

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



23.9139, 28.6752, 63.3060



31.9123, 28.6752, 61.3433



30.8935, 28.6752, 12.3626



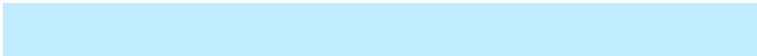
23.0743, 28.6752, 13.0423

Sweetspot

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



23.9149, 28.6762, 63.3067



69.5578, 78.2469, 106.0448



24.8386, 45.7245, 16.7517



14.2555, 16.1780, 22.6213



0.0000, 0.0000, 0.0000



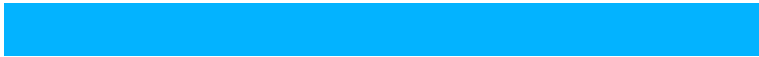
20.3446, 21.4041, 23.3091

Same Dimension

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



23.9149, 28.6762, 63.3067



34.2540, 39.5806, 100.4422



14.2803, 9.4069, 60.0952



11.8465, 12.7832, 15.0867



13.5515, 15.7496, 39.5182



0.8254, 1.0160, 2.2322

Inverse Universe

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



32.3954, 16.9901, 33.0252



49.4306, 24.5805, 44.9245



41.0110, 43.2880, 7.9456



12.1534, 11.9461, 14.0836



19.4709, 9.6612, 17.9177



1.1228, 0.5539, 1.1817

Previews

White Background



This preview shows how the XYZ color 23.9139, 28.6752, 63.3060 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 23.9139, 28.6752, 63.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

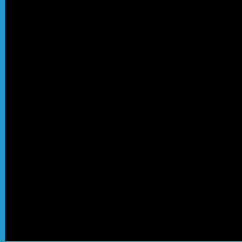
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9139, 28.6752, 63.3060

Background



This preview shows how black text looks on a background with the XYZ color 23.9139, 28.6752, 63.3060.

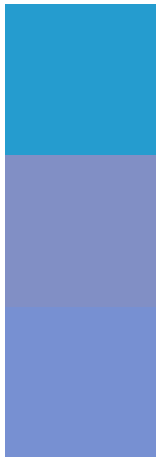


This preview shows how white text looks on a background with the XYZ color 23.9139, 28.6752,

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

23.9139, 28.6752, 63.3060

Protanopia

28.9538, 28.3433, 56.7681

Deuteranopia

29.2139, 28.5216, 64.9383



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

23.9139, 28.6752, 63.3060

Protanomaly

25.9564, 27.8837, 59.2724

Deuteranomaly

26.2184, 27.9071, 64.3264

Tritanomaly

21.4270, 28.4270, 50.8120

Monochromacy



Original Color

23.9139, 28.6752, 63.3060

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4781, 22.6376, 34.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9139, 28.6752, 63.3060 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(37, 156, 207)` looks like.

```
.text, #text, p{  
    color:rgb(37, 156, 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(37, 156, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 156, 207) }
```

Border

The CSS property to change the border of an element to XYZ 23.9139, 28.6752, 63.3060 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(37, 156, 207) }
```


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

```
.border{ border-color:rgb(37, 156, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 156, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 156, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 156, 207);  
box-shadow:4px 4px 4px 4px rgb(37, 156,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9139, 28.6752, 63.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 156, 207) }
```

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

```
.background{ background-color: rgb(37, 156,  
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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