

Converting Colors

XYZ(23.9042, 23.9360, 80.3508)

Have a look what the booklet for
XYZ(23.9042, 23.9360, 80.3508)
contains.

XYZ(23.9031, 23.9031, 80.4447)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9031, 23.9031,
80.4447)**

Conversions

Conversions Part 1

Format	Color
Hex	1289E9
RGB	18, 137, 233
RGB Percent	7%, 54%, 91%
CMY	0.9292, 0.4627, 0.0863
CMYK	0.92, 0.41, 0.00, 0.09
HSL	207°, 86%, 49%
HSV	207°, 92%, 91%
XYZ	23.9031, 23.9031, 80.4447
YIQ	112.3630, -101.7400, 4.6280

Conversions

Conversions Part 2

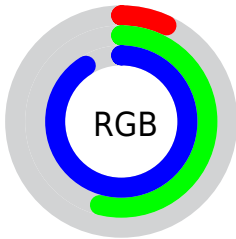
Format	Color
R _Y B	18, 95, 233
Decimal	1214953
CIE Lab	55.99, 5.30, -56.68
CIE LCh	56, 56.930, 275.341
Yxy	23.9031, 0.1864, 0.1864
Android (android.graphics.Color)	4279405033 (0xFF1289E9)
YUV	112.3630, 59.4740, -82.7564
Hunter-Lab	48.8908, 1.7112, -63.3319

Details

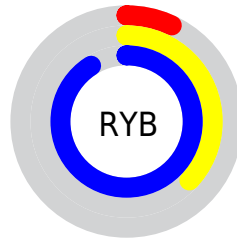
The XYZ color **23.9031, 23.9031, 80.4447** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.7361, 29.4118, 4.1568**, and the grayscale version is **15.3638, 16.1639, 17.6025**.

A 20% lighter version of the original color is **42.8939, 47.3619, 101.4888**, and **11.4255, 10.1538, 42.9527** is the 20% darker color. If you saturate the color by 10%, you get **22.5508, 21.5688, 80.0660**, and if you desaturate by 10%, it is **26.1333, 27.3559, 80.9942**.

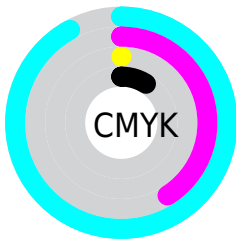
Distribution



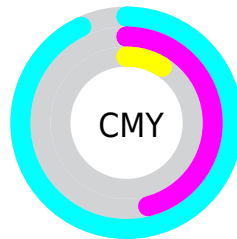
- Red (7%)
- Green (54%)
- Blue (91%)



- Red (7%)
- Yellow (37%)
- Blue (91%)



- Cyan (92%)
- Magenta (41%)
- Yellow (0%)
- Black (9%)



- Cyan (93%)
- Magenta (46%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9031, 23.9031, 80.4447 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 23.9031, 23.9031, 80.4447 by changing the saturation by 10% instead.

■ 23.9031, 23.9031,
80.4447

■ 23.9031, 23.9031,
80.4447

264.7798,
272.3302, 516.1765

■ 15.3861, 15.2618,
59.5560

■ 49.3279, 49.8720,
135.8078

■ 9.1789, 9.0033,
42.6379

■ 66.9663, 67.9684,
171.1194

■ 4.9161, 4.7433,
29.2718

■ 88.3760, 89.9852,
212.0756

■ 2.2324, 2.0975,
19.0392

■ 113.9222,
116.3069, 259.0951

■ 0.7597, 0.6632,
11.5215

■ 143.9704,
147.3179, 312.5964

■ 0.0000, 0.0000,
6.3002

178.8858,

■ 0.0000, 0.0000,

183.4025, 372.9981

2.9567

219.0338,
224.9451, 440.7186

■ 0.0000, 0.0000,
1.0726

■ 0.0000, 0.0000,
0.0000

■ 23.9031, 23.9031,
80.4447

■ 23.9031, 23.9031,
80.4447

■ 22.5508, 21.5688,
80.0660

■ 26.1333, 27.3559,
80.9942

■ 29.0594, 31.3847,
81.6176

■ 32.7701, 36.0410,
82.3208

■ 37.3390, 41.3682,
83.1082

■ 42.8303, 47.4042,
83.9839

■ 49.3015, 54.1839,
84.9514

■ 56.8051, 61.7391,
86.0142

■ 65.3896, 70.0994,
87.1755

■ 75.1004, 79.2928,
88.4382

Harmonies

Analogous

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



17.8912, 23.9031, 74.0237



23.9031, 23.9031, 80.4447



30.7470, 23.9031, 67.5318

Triad

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



23.9031, 23.9031, 80.4447



34.5221, 23.9031, 10.3212



13.1445, 23.9031, 13.7619

Complementary

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



23.9031, 23.9031, 80.4447



39.7361, 29.4118, 4.1568

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.



16.2265, 23.9031, 6.3803



23.9031, 23.9031, 80.4447



28.3458, 23.9031, 5.1617

Square

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



23.9031, 23.9031, 80.4447



37.5821, 23.9031, 22.8333



21.5750, 23.9031, 4.1745



12.4048, 23.9031, 29.5042

Rectangle

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



23.9031, 23.9031, 80.4447



34.6350, 23.9031, 52.1664



21.5750, 23.9031, 4.1745



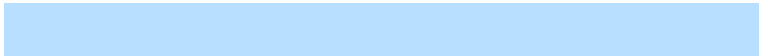
13.9077, 23.9031, 10.5108

Sweetspot

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



23.9041, 23.9038, 80.4453



64.1393, 70.1967, 104.7766



32.2691, 59.5591, 24.8895



12.9104, 14.1918, 22.3088



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.



23.9041, 23.9038, 80.4453



27.5922, 26.3044, 98.2307



15.4849, 7.0655, 77.6390



14.9224, 15.9312, 19.2108



12.9214, 12.4898, 45.4727



1.1104, 1.1723, 3.6026

Inverse Universe

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



38.3369, 19.5639, 25.4229



46.0565, 23.1866, 27.2932



58.9596, 67.8587, 10.5646



15.4144, 15.1936, 17.4674



21.3774, 10.7537, 13.0547



1.7270, 0.8638, 1.2797

Previews

White Background



This preview shows how the XYZ color 23.9031, 23.9031, 80.4447 looks on a white background.

Color Contrast Check

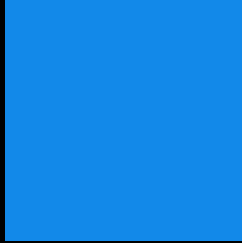
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9031, 23.9031, 80.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

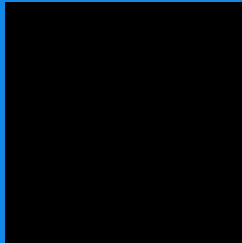
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

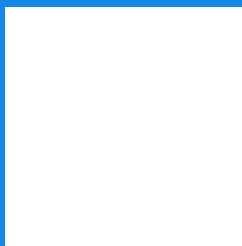
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9031, 23.9031, 80.4447

Background



This preview shows how black text looks on a background with the XYZ color 23.9031, 23.9031, 80.4447.



This preview shows how white text looks on a background with the XYZ color 23.9031, 23.9031, 80.4447.

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

23.9031, 23.9031, 80.4447

Protanopia

26.1237, 23.7316, 75.1553

Deuteranopia

24.6386, 23.8641, 80.3984



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

23.9031, 23.9031, 80.4447

Protanomaly

24.7104, 23.5560, 77.3731

Deuteranomaly

24.3115, 23.9036, 80.4233

Tritanomaly

18.8178, 23.4945, 49.4420

Monochromacy



Original Color

23.9031, 23.9031, 80.4447

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.9800, 17.6947, 34.0257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9031, 23.9031, 80.4447 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(18, 137, 233)` looks like.

```
.text, #text, p{  
    color:rgb(18, 137, 233)  
}
```

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(18, 137, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 137, 233) }
```

Border

The CSS property to change the border of an element to XYZ 23.9031, 23.9031, 80.4447 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(18, 137, 233) }
```


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

```
.border{ border-color:rgb(18, 137, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 137, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 137, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 137, 233);  
box-shadow:4px 4px 4px 4px rgb(18, 137,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9031, 23.9031, 80.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 137, 233) }
```

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

```
.background{ background-color: rgb(18, 137,  
233) }
```

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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