

Converting Colors

XYZ(9.2486, 21.8881, 60.0471)

Have a look what the booklet for
XYZ(9.2486, 21.8881, 60.0471)
contains.

XYZ(23.1776, 29.1081, 60.8967)	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>	30

Color

**XYZ(23.1776, 29.1081,
60.8967)**

Conversions

Conversions Part 1

Format	Color
Hex	009FCB
RGB	0, 159, 203
RGB Percent	0%, 62%, 80%
CMY	0.9998, 0.3765, 0.2039
CMYK	1.00, 0.22, 0.00, 0.20
HSL	193°, 100%, 40%
HSV	193°, 100%, 80%
XYZ	23.1776, 29.1081, 60.8967
YIQ	116.4750, -108.8880, -20.0240

Conversions

Conversions Part 2

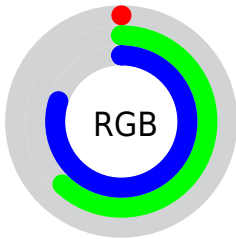
Format	Color
RYB	0, 89, 203
Decimal	40907
CIELab	60.88, -18.99, -32.23
CIELCh	61, 37.412, 239.499
Yxy	29.1081, 0.2048, 0.2572
Android (android.graphics.Color)	4278230987 (0xFF009FCB)
YUV	116.4750, 42.6568, -102.1486
Hunter-Lab	53.9519, -17.7327, -29.1556

Details

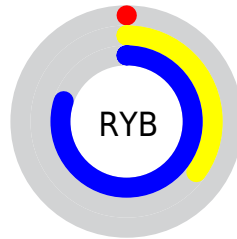
The XYZ color **23.1776, 29.1081, 60.8967** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.5313, 14.5011, 1.4545**, and the grayscale version is **16.6474, 17.5144, 19.0731**.

A 20% lighter version of the original color is **47.3521, 58.0225, 103.3115**, and **10.6825, 12.6853, 30.3193** is the 20% darker color. If you saturate the color by 10%, you get **23.1765, 29.1057, 60.8969**, and if you desaturate by 10%, it is **24.2439, 30.8019, 61.1680**.

Distribution



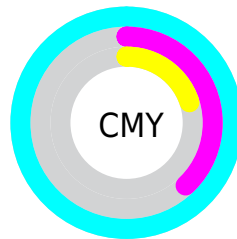
- Red (0%)
- Green (62%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1776, 29.1081, 60.8967 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 23.1776, 29.1081, 60.8967 by changing the saturation by 10% instead.

■ 23.1776, 29.1081,
60.8967

■ 23.1776, 29.1081,
60.8967

261.1542,
297.7247, 445.7912

■ 14.8461, 19.1626,
43.7118

■ 48.1493, 58.2488,
107.6854

■ 8.7971, 11.7878,
30.1085

■ 65.5202, 78.2128,
138.1263

■ 4.6651, 6.5994,
19.6682

■ 86.6350, 102.2851,
173.8230

■ 2.0849, 3.2128,
11.9724

■ 111.8590,
130.8500, 215.1939

■ 0.6810, 1.2438,
6.6026

■ 141.5576,
164.2921, 262.6576

■ 0.0000, 0.0971,
3.1402

176.0960,

■ 0.0000, 0.0000,

202.9956, 316.6327

1.1666

215.8398,
247.3450, 377.5378

■ 0.0000, 0.0000,
0.0000

■ 23.1776, 29.1081,
60.8967

■ 23.1776, 29.1081,
60.8967

■ 23.1765, 29.1057,
60.8969

■ 24.2439, 30.8019,
61.1680

■ 25.6462, 32.7087,
61.4622

■ 27.4920, 34.8850,
61.7850

■ 29.8380, 37.3604,
62.1391

■ 32.7324, 40.1601,
62.5270

■ 36.2175, 43.3063,
62.9505

■ 40.3312, 46.8188,
63.4117

■ 45.1081, 50.7160,
63.9122

■ 50.5804, 55.0148,
64.4535

Harmonies

Analogous

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



20.2856, 29.1081, 46.8305



23.1776, 29.1081, 60.8967



27.5846, 29.1081, 66.8168

Triad

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



23.1776, 29.1081, 60.8967



38.1345, 29.1081, 31.9289



23.3039, 29.1081, 13.6041

Complementary

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



23.1776, 29.1081, 60.8967



25.5313, 14.5011, 1.4545

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.



27.7483, 29.1081, 11.7194



23.1776, 29.1081, 60.8967



36.6500, 29.1081, 20.2304

Square

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



23.1776, 29.1081, 60.8967



36.5513, 29.1081, 47.3594



32.7002, 29.1081, 13.7380



20.3523, 29.1081, 19.9308

Rectangle

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



23.1776, 29.1081, 60.8967



30.9137, 29.1081, 64.3195



32.7002, 29.1081, 13.7380



24.6549, 29.1081, 12.5298

Sweetspot

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



23.1786, 29.1091, 60.8974



67.2208, 78.1357, 106.1465



21.8116, 42.8945, 9.5143



13.7339, 16.1723, 22.6477



0.0000, 0.0000, 0.0000



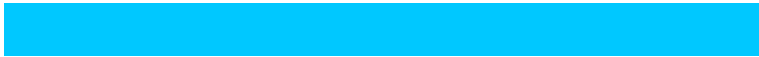
20.3446, 21.4041, 23.3091

Same Dimension

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



23.1786, 29.1091, 60.8974



38.6394, 48.3987, 101.9131



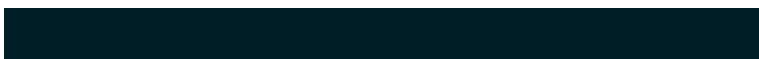
12.2704, 7.2927, 57.2614



11.3289, 12.2982, 14.3471



14.8184, 18.6608, 38.7772



0.8171, 1.0680, 2.0180

Inverse Universe

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



30.8875, 15.2008, 34.1079



51.6326, 25.4170, 56.6565



34.8304, 33.0994, 4.5543



11.5794, 11.3605, 13.5856



19.6906, 9.6868, 21.8869



1.0424, 0.5104, 1.2690

Previews

White Background



This preview shows how the XYZ color 23.1776, 29.1081, 60.8967 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 23.1776, 29.1081, 60.8967 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 23.1776, 29.1081, 60.8967

Background



This preview shows how black text looks on a background with the XYZ color 23.1776, 29.1081, 60.8967.

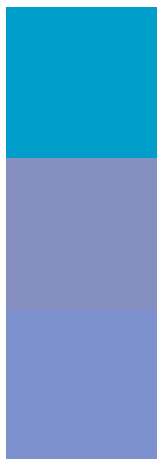


This preview shows how white text looks on a background with the XYZ color 23.1776, 29.1081,

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

23.1776, 29.1081, 60.8967

Protanopia

29.1606, 28.7388, 53.8794

Deuteranopia

29.5782, 28.9921, 62.4296

Trichromacy



Original Color

23.1776, 29.1081, 60.8967

Protanomaly

24.4576, 27.4117, 56.2265

Deuteranomaly

25.1502, 27.8827, 61.8140

Monochromacy



Original Color

23.1776, 29.1081, 60.8967

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4206, 20.0965, 31.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1776, 29.1081, 60.8967 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, 159, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 203)  
}
```

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, 159, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 203) }
```

Border

The CSS property to change the border of an element to XYZ 23.1776, 29.1081, 60.8967 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, 159, 203) }
```

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

```
.border{ border-color:rgb(0, 159, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
203) }
```


Background

The CSS property to change the background color of an element to XYZ 23.1776, 29.1081, 60.8967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 203) }
```

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

```
.background{ background-color: rgb(0, 159,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor