

Converting Colors

XYZ(23.1433, 29.5701, 58.4598)

Have a look what the booklet for
XYZ(23.1433, 29.5701, 58.4598)
contains.

XYZ(23.2197, 29.6988, 58.5415)	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(23.2197, 29.6988,
58.5415)**

Conversions

Conversions Part 1

Format	Color
Hex	0DA1C7
RGB	13, 161, 199
RGB Percent	5%, 63%, 78%
CMY	0.9489, 0.3686, 0.2196
CMYK	0.93, 0.19, 0.00, 0.22
HSL	192°, 88%, 42%
HSV	192°, 93%, 78%
XYZ	23.2197, 29.6988, 58.5415
YIQ	121.0800, -100.4060, -19.5580

Conversions

Conversions Part 2

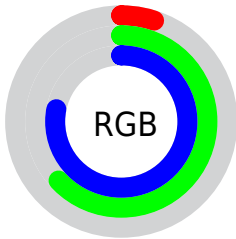
Format	Color
RYB	13, 95, 199
Decimal	893383
CIELab	61.39, -21.03, -29.19
CIElCh	61, 35.976, 234.236
Yxy	29.6988, 0.2083, 0.2665
Android (android.graphics.Color)	4279083463 (0xFF0DA1C7)
YUV	121.0800, 38.4146, -94.7862
Hunter-Lab	54.4966, -19.3145, -25.5431

Details

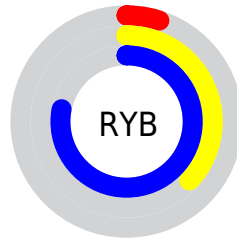
The XYZ color **23.2197, 29.6988, 58.5415** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.8120, 14.5427, 1.8815**, and the grayscale version is **18.1072, 19.0502, 20.7456**.

A 20% lighter version of the original color is **48.0854, 59.1565, 103.4917**, and **10.5795, 12.9816, 28.7362** is the 20% darker color. If you saturate the color by 10%, you get **22.5933, 28.6924, 58.3808**, and if you desaturate by 10%, it is **24.4017, 31.3808, 58.8045**.

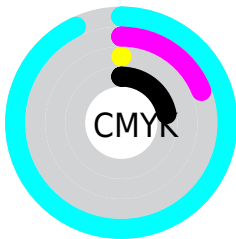
Distribution



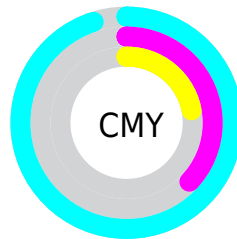
- Red (5%)
- Green (63%)
- Blue (78%)



- Red (5%)
- Yellow (37%)
- Blue (78%)



- Cyan (93%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)



- Cyan (95%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2197, 29.6988, 58.5415 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 23.2197, 29.6988, 58.5415 by changing the saturation by 10% instead.

■ 23.2197, 29.6988,
58.5415

■ 23.2197, 29.6988,
58.5415

261.3657,
300.4980, 436.8551

■ 14.8774, 19.6101,
41.8266

■ 48.2178, 59.1855,
104.2335

■ 8.8191, 12.1119,
28.6410

■ 65.6044, 79.3523,
134.0477

■ 4.6796, 6.8200,
18.5661

■ 86.7364, 103.6473,
169.0654

■ 2.0933, 3.3498,
11.1836

■ 111.9792,
132.4547, 209.7051

■ 0.6856, 1.3169,
6.0747

■ 141.6982,
166.1591, 256.3854

■ 0.0000, 0.1543,
2.8210

176.2587,

■ 0.0000, 0.0000,

205.1449, 309.5248

1.0040

216.0261,
249.7964, 369.5419

■ 0.0000, 0.0000,
0.0000

■ 23.2197, 29.6988,
58.5415

■ 23.2197, 29.6988,
58.5415

■ 22.5933, 28.6924,
58.3808

■ 24.4017, 31.3808,
58.8045

■ 25.9819, 33.3023,
59.0920

■ 28.0192, 35.4943,
59.4078

■ 30.5620, 37.9822,
59.7540

■ 33.6521, 40.7877,
60.1326

■ 37.3268, 43.9305,
60.5456

■ 41.6202, 47.4284,
60.9944

■ 46.5636, 51.2978,
61.4808

■ 52.1860, 55.5541,
62.0060

Harmonies

Analogous

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



20.6923, 29.6988, 44.3057



23.2197, 29.6988, 58.5415



27.3206, 29.6988, 65.9643

Triad

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



23.2197, 29.6988, 58.5415



38.3240, 29.6988, 35.0353



24.6424, 29.6988, 13.8701

Complementary

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



23.2197, 29.6988, 58.5415



24.8120, 14.5427, 1.8815

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.



29.1549, 29.6988, 12.6705



23.2197, 29.6988, 58.5415



37.4012, 29.6988, 22.7447

Square

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



23.2197, 29.6988, 58.5415



36.3057, 29.6988, 50.1582



33.9088, 29.6988, 15.4183



21.4469, 29.6988, 19.3330

Rectangle

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



23.2197, 29.6988, 58.5415



30.5338, 29.6988, 64.8909



33.9088, 29.6988, 15.4183



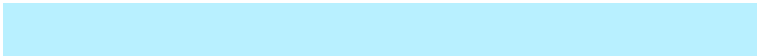
26.0410, 29.6988, 13.0332

Sweetspot

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



23.2207, 29.6998, 58.5422



69.0024, 79.9229, 106.3976



21.1710, 41.1655, 9.8740



14.0873, 16.5457, 22.7011



0.0000, 0.0000, 0.0000



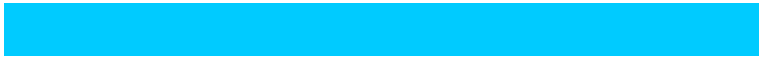
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2207, 29.6998, 58.5422



39.3806, 49.8813, 102.1602



12.5932, 8.4448, 54.9997



10.7556, 11.6852, 13.6061



14.5917, 18.5773, 37.5611



0.7388, 0.9754, 1.7945

Inverse Universe

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



30.1311, 15.0045, 35.0271



52.0067, 25.5667, 58.6268



33.4809, 31.8805, 4.7711



10.9867, 10.7780, 12.9130



19.1645, 9.4154, 21.8741



0.9316, 0.4555, 1.1630

Previews

White Background



This preview shows how the XYZ color 23.2197, 29.6988, 58.5415 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 23.2197, 29.6988, 58.5415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

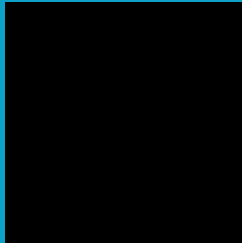
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2197, 29.6988, 58.5415

Background



This preview shows how black text looks on a background with the XYZ color 23.2197, 29.6988, 58.5415.

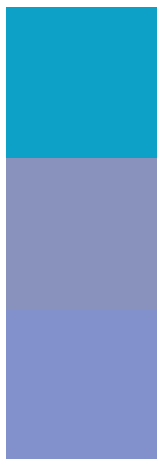


This preview shows how white text looks on a background with the XYZ color 23.2197, 29.6988,

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

23.2197, 29.6988, 58.5415

Protanopia

29.6725, 29.5070, 51.7085

Deuteranopia

30.1108, 29.3084, 60.5700



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

23.2197, 29.6988, 58.5415

Protanomaly

24.9947, 28.2143, 53.9977

Deuteranomaly

25.6578, 28.4237, 60.0111

Tritanomaly

21.9167, 29.7294, 50.4822

Monochromacy



Original Color

23.2197, 29.6988, 58.5415

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.7086, 21.5721, 31.6643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2197, 29.6988, 58.5415 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(13, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(13, 161, 199)  
}
```

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(13, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 161, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.2197, 29.6988, 58.5415 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(13, 161, 199) }
```


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

```
.border{ border-color:rgb(13, 161, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 161, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 161, 199);  
box-shadow:4px 4px 4px 4px rgb(13, 161,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2197, 29.6988, 58.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 161, 199) }
```

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

```
.background{ background-color: rgb(13, 161,  
199) }
```

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