

Converting Colors

XYZ(22.9879, 29.5001, 58.4551)

Have a look what the booklet for
XYZ(22.9879, 29.5001, 58.4551)
contains.

XYZ(23.0537, 29.6133, 58.5337)	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(23.0537, 29.6133,
58.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1C7
RGB	0, 161, 199
RGB Percent	0%, 63%, 78%
CMY	0.9998, 0.3686, 0.2196
CMYK	1.00, 0.19, 0.00, 0.22
HSL	191°, 100%, 39%
HSV	191°, 100%, 78%
XYZ	23.0537, 29.6133, 58.5337
YIQ	117.1930, -108.1540, -22.3140

Conversions

Conversions Part 2

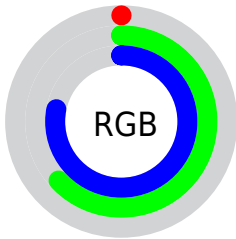
Format	Color
RYB	0, 89, 199
Decimal	41415
CIELab	61.32, -21.45, -29.31
CIELCh	61, 36.324, 233.802
Yxy	29.6133, 0.2073, 0.2663
Android (android.graphics.Color)	4278231495 (0xFF00A1C7)
YUV	117.1930, 40.3309, -102.7783
Hunter-Lab	54.4181, -19.6119, -25.6814

Details

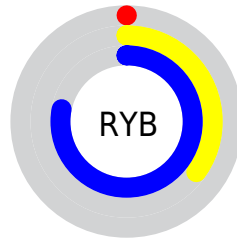
The XYZ color **23.0537, 29.6133, 58.5337** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.2482, 13.5313, 1.3351**, and the grayscale version is **16.8757, 17.7546, 19.3347**.

A 20% lighter version of the original color is **47.8614, 59.0411, 103.4812**, and **10.5795, 12.9816, 28.7362** is the 20% darker color. If you saturate the color by 10%, you get **23.0527, 29.6111, 58.5339**, and if you desaturate by 10%, it is **24.0159, 31.1109, 58.7726**.

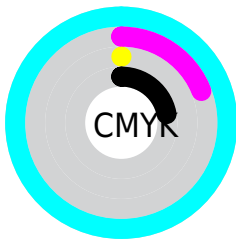
Distribution



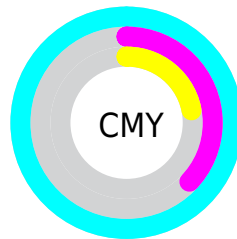
- Red (0%)
- Green (63%)
- Blue (78%)



- Red (0%)
- Yellow (35%)
- Blue (78%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0537, 29.6133, 58.5337 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 23.0537, 29.6133, 58.5337 by changing the saturation by 10% instead.

■ 23.0537, 29.6133,
58.5337

■ 23.0537, 29.6133,
58.5337

260.5309,
300.0978, 436.8254

■ 14.7541, 19.5453,
41.8203

■ 47.9475, 59.0501,
104.2221

■ 8.7322, 12.0649,
28.6361

■ 65.2724, 79.1876,
134.0342

■ 4.6226, 6.7879,
18.5625

■ 86.3364, 103.4505,
169.0496

■ 2.0600, 3.3298,
11.1810

■ 111.5049,
132.2230, 209.6869

■ 0.6674, 1.3063,
6.0730

■ 141.1432,
165.8896, 256.3645

■ 0.0000, 0.1460,
2.8200

175.6168,

■ 0.0000, 0.0000,

204.8346, 309.5011

1.0035

215.2909,
249.4426, 369.5152

■ 0.0000, 0.0000,
0.0000

■ 23.0537, 29.6133,
58.5337

■ 23.0537, 29.6133,
58.5337

■ 23.0527, 29.6111,
58.5339

■ 24.0159, 31.1109,
58.7726

■ 25.2923, 32.8002,
59.0314

■ 26.9866, 34.7355,
59.3157

■ 29.1528, 36.9448,
59.6279

■ 31.8367, 39.4519,
59.9704

■ 35.0782, 42.2777,
60.3450

■ 38.9135, 45.4412,
60.7535

■ 43.3756, 48.9594,
61.1974

■ 48.4949, 52.8484,
61.6782

Harmonies

Analogous

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



20.5379, 29.6133, 44.0939



23.0537, 29.6133, 58.5337



27.1646, 29.6133, 66.1864

Triad

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



23.0537, 29.6133, 58.5337



38.3232, 29.6133, 35.1739



24.5933, 29.6133, 13.6408

Complementary

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



23.0537, 29.6133, 58.5337



24.2482, 13.5313, 1.3351

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.



29.1519, 29.6133, 12.4977



23.0537, 29.6133, 58.5337



37.4346, 29.6133, 22.7334

Square

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



23.0537, 29.6133, 58.5337



36.2458, 29.6133, 50.4491



33.9391, 29.6133, 15.3080



21.3538, 29.6133, 19.0484

Rectangle

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



23.0537, 29.6133, 58.5337



30.3998, 29.6133, 65.2107



33.9391, 29.6133, 15.3080



26.0075, 29.6133, 12.8232

Sweetspot

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



23.0547, 29.6143, 58.5344



67.7998, 79.2938, 106.3395



20.7506, 40.9782, 8.5269



13.8736, 16.4516, 22.6942



0.0000, 0.0000, 0.0000



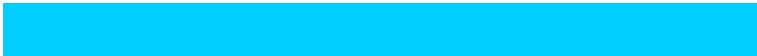
20.3446, 21.4041, 23.3091

Same Dimension

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



23.0547, 29.6143, 58.5344



40.1930, 51.5059, 102.4310



12.0896, 7.6841, 54.8794



10.7679, 11.7099, 13.6102



14.8842, 19.1623, 37.6586



0.7503, 0.9985, 1.7983

Inverse Universe

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



29.9871, 14.7165, 34.9793



52.4167, 25.7307, 60.7859



32.3576, 29.7501, 4.0382



10.9929, 10.7805, 12.9458



19.3122, 9.4744, 22.6516



0.9374, 0.4578, 1.1937

Previews

White Background



This preview shows how the XYZ color 23.0537, 29.6133, 58.5337 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 23.0537, 29.6133, 58.5337 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

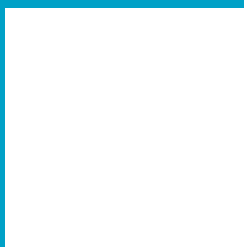
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0537, 29.6133, 58.5337

Background



This preview shows how black text looks on a background with the XYZ color 23.0537, 29.6133, 58.5337.

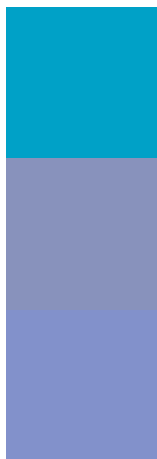


This preview shows how white text looks on a background with the XYZ color 23.0537, 29.6133,

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

23.0537, 29.6133, 58.5337

Protanopia

29.5093, 29.4228, 51.7008

Deuteranopia

30.1108, 29.3084, 60.5700



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

23.0537, 29.6133, 58.5337



Protanomaly

24.5115, 27.9652, 53.9751



Deuteranomaly

25.2946, 28.2365, 59.9941



Tritanomaly

21.7489, 29.6551, 49.9251

Monochromacy



Original Color

23.0537, 29.6133, 58.5337



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.4780, 20.3375, 30.6608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0537, 29.6133, 58.5337 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, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.0537, 29.6133, 58.5337 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, 161, 199) }
```


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

```
.border{ border-color:rgb(0, 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(0, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 161, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 161, 199); box-shadow:4px 4px 4px 4px rgb(0, 161, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0537, 29.6133, 58.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 199) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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