

Converting Colors

XYZ(17.9793, 26.4632, 58.8823)

Have a look what the booklet for
XYZ(17.9793, 26.4632, 58.8823)
contains.

XYZ(22.8235, 28.9664, 59.0317)	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(22.8235, 28.9664,
59.0317)**

Conversions

Conversions Part 1

Format	Color
Hex	009FC8
RGB	0, 159, 200
RGB Percent	0%, 62%, 78%
CMY	0.9998, 0.3765, 0.2157
CMYK	1.00, 0.20, 0.00, 0.22
HSL	192°, 100%, 39%
HSV	192°, 100%, 78%
XYZ	22.8235, 28.9664, 59.0317
YIQ	116.1330, -107.9250, -20.9570

Conversions

Conversions Part 2

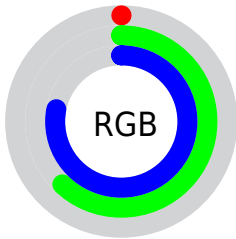
Format	Color
R_{YB}	0, 89, 200
Decimal	40904
CIE _{Lab}	60.75, -20.05, -30.75
CIE _{LCh}	61, 36.709, 236.897
Yxy	28.9664, 0.2059, 0.2614
Android (android.graphics.Color)	4278230984 (0xFF009FC8)
YUV	116.1330, 41.3464, -101.8486
Hunter-Lab	53.8204, -18.4897, -27.3565

Details

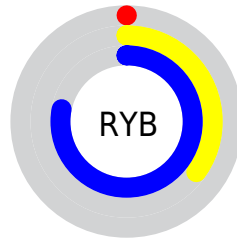
The XYZ color **22.8235, 28.9664, 59.0317** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.6145, 13.8688, 1.3810**, and the grayscale version is **16.5469, 17.4086, 18.9580**.

A 20% lighter version of the original color is **47.3521, 58.0225, 103.3115**, and **10.4460, 12.5907, 29.0738** is the 20% darker color. If you saturate the color by 10%, you get **22.8222, 28.9637, 59.0318**, and if you desaturate by 10%, it is **23.8304, 30.5503, 59.2849**.

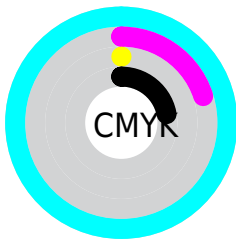
Distribution



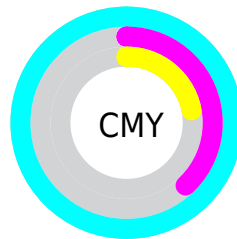
- Red (0%)
- Green (62%)
- Blue (78%)



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



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



- Cyan (100%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8235, 28.9664, 59.0317 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 22.8235, 28.9664, 59.0317 by changing the saturation by 10% instead.

■ 22.8235, 28.9664,
59.0317

■ 22.8235, 28.9664,
59.0317

■ 259.3695,
297.0564, 438.7245

■ 14.5832, 19.0554,
42.2185

■ 47.5721, 58.0237,
104.9533

■ 8.6118, 11.7103,
28.9455

■ 64.8112, 77.9388,
134.8988

■ 4.5439, 6.5467,
18.7944

■ 85.7806, 101.9574,
170.0587

■ 2.0142, 3.1803,
11.3465

■ 110.8456,
130.4638, 210.8517

■ 0.6419, 1.2266,
6.1833

■ 140.3717,
163.8426, 257.6962

■ 0.0000, 0.0832,
2.8863

174.7241,

■ 0.0000, 0.0000,

202.4780, 311.0108

1.0369

214.2682,
246.7545, 371.2141

■ 0.0000, 0.0000,
0.0000

■ 22.8235, 28.9664,
59.0317

■ 22.8235, 28.9664,
59.0317

■ 22.8222, 28.9637,
59.0318

■ 23.8304, 30.5503,
59.2849

■ 25.1585, 32.3344,
59.5593

■ 26.9124, 34.3734,
59.8604

■ 29.1469, 36.6958,
60.1909

■ 31.9082, 39.3259,
60.5530

■ 35.2370, 42.2848,
60.9487

■ 39.1699, 45.5918,
61.3798

■ 43.7403, 49.2643,
61.8477

■ 48.9790, 53.3187,
62.3542

Harmonies

Analogous

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



20.1404, 28.9664, 44.9658



22.8235, 28.9664, 59.0317



27.0385, 28.9664, 65.6786

Triad

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



22.8235, 28.9664, 59.0317



37.7345, 28.9664, 32.9819



23.5903, 28.9664, 13.4448

Complementary

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



22.8235, 28.9664, 59.0317



24.6145, 13.8688, 1.3810

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.



28.0308, 28.9664, 11.9200



22.8235, 28.9664, 59.0317



36.5406, 28.9664, 21.0934

Square

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



22.8235, 28.9664, 59.0317



35.9447, 28.9664, 48.1561



32.8466, 28.9664, 14.2659



20.5459, 28.9664, 19.2665

Rectangle

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



22.8235, 28.9664, 59.0317



30.2822, 28.9664, 63.9097



32.8466, 28.9664, 14.2659



24.9530, 28.9664, 12.5014

Sweetspot

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



22.8245, 28.9674, 59.0324



67.4836, 78.6613, 106.2341



21.0388, 41.4628, 8.9052



13.7973, 16.2990, 22.6688



0.0000, 0.0000, 0.0000



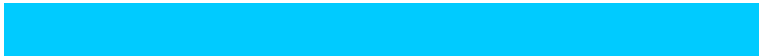
20.3446, 21.4041, 23.3091

Same Dimension

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



22.8245, 28.9674, 59.0324



39.3384, 49.7968, 102.1461



12.0437, 7.4058, 55.4388



10.7549, 11.6839, 13.6059



14.5765, 18.5468, 37.5560



0.7382, 0.9742, 1.7943

Inverse Universe

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



30.0784, 14.7838, 34.0700



51.9854, 25.5582, 58.5145



33.2002, 31.0402, 4.2429



10.9863, 10.7779, 12.9113



19.1569, 9.4123, 21.8337



0.9313, 0.4554, 1.1614

Previews

White Background



This preview shows how the XYZ color 22.8235, 28.9664, 59.0317 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 22.8235, 28.9664, 59.0317 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

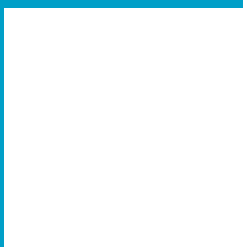
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8235, 28.9664, 59.0317

Background



This preview shows how black text looks on a background with the XYZ color 22.8235, 28.9664, 59.0317.

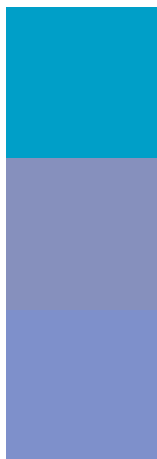


This preview shows how white text looks on a background with the XYZ color 22.8235, 28.9664,

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

22.8235, 28.9664, 59.0317

Protanopia

28.9901, 28.6890, 52.1537

Deuteranopia

29.3569, 28.6939, 60.4911



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

22.8235, 28.9664, 59.0317

Protanomaly

24.1194, 27.2764, 54.4457

Deuteranomaly

24.7164, 27.4646, 59.8756

Tritanomaly

21.3966, 28.9504, 49.8077

Monochromacy



Original Color

22.8235, 28.9664, 59.0317

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3418, 20.0650, 30.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8235, 28.9664, 59.0317 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 200) }
```

Border

The CSS property to change the border of an element to XYZ 22.8235, 28.9664, 59.0317 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, 200) }
```


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

```
.border{ border-color:rgb(0, 159, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8235, 28.9664, 59.0317 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, 200) }
```

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

```
.background{ background-color: rgb(0, 159,  
200) }
```

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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