

Converting Colors

XYZ(23.8009, 29.1683, 64.7621)

Have a look what the booklet for
XYZ(23.8009, 29.1683, 64.7621)
contains.

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Color

**XYZ(23.7355, 29.0572,
64.6792)**

Conversions

Conversions Part 1

Format	Color
Hex	009ED1
RGB	0, 158, 209
RGB Percent	0%, 62%, 82%
CMY	0.9998, 0.3804, 0.1804
CMYK	1.00, 0.24, 0.00, 0.18
HSL	195°, 100%, 41%
HSV	195°, 100%, 82%
XYZ	23.7355, 29.0572, 64.6792
YIQ	116.5720, -110.5390, -17.6350

Conversions

Conversions Part 2

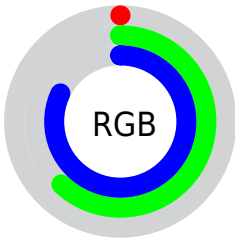
Format	Color
R_{YB}	0, 90, 209
Decimal	40657
CIE _{Lab}	60.83, -16.31, -35.66
CIE _{LCh}	61, 39.208, 245.421
Yxy	29.0572, 0.2021, 0.2474
Android (android.graphics.Color)	4278230737 (0xFF009ED1)
YUV	116.5720, 45.5670, -102.2336
Hunter-Lab	53.9047, -15.7356, -33.4076

Details

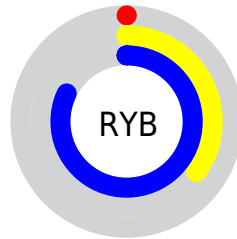
The XYZ color **23.7355, 29.0572, 64.6792** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.4809, 15.9274, 1.6273**, and the grayscale version is **16.6695, 17.5377, 19.0985**.

A 20% lighter version of the original color is **47.2111, 57.5752, 103.2326**, and **11.0904, 12.8485, 32.4673** is the 20% darker color. If you saturate the color by 10%, you get **23.7339, 29.0538, 64.6792**, and if you desaturate by 10%, it is **24.9324, 30.9933, 64.9904**.

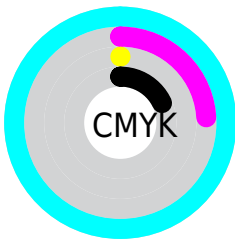
Distribution



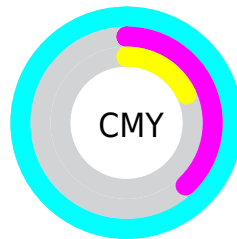
- Red (0%)
- Green (62%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7355, 29.0572, 64.6792 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 23.7355, 29.0572, 64.6792 by changing the saturation by 10% instead.

■ 23.7355, 29.0572,
64.6792

■ 23.7355, 29.0572,
64.6792

263.9459,
297.4847, 459.9129

■ 15.2612, 19.1241,
46.7513

■ 49.0561, 58.1680,
113.1974

■ 9.0904, 11.7600,
32.4862

■ 66.6330, 78.1144,
144.6247

■ 4.8578, 6.5805,
21.4652

■ 87.9749, 102.1674,
181.3890

■ 2.1980, 3.2011,
13.2699

■ 113.4471,
130.7114, 223.9087

■ 0.7417, 1.2376,
7.4818

■ 143.4149,
164.1307, 272.6024

■ 0.0000, 0.0921,
3.6822

178.2438,

■ 0.0000, 0.0000,

202.8098, 327.8887

1.4527

218.2990,
247.1330, 390.1860

■ 0.0000, 0.0000,
0.1823

■ 0.0000, 0.0000,
0.0000

■ 23.7355, 29.0572,
64.6792

■ 23.7355, 29.0572,
64.6792

■ 23.7339, 29.0538,
64.6792

■ 24.9324, 30.9933,
64.9904

■ 26.4978, 33.1732,
65.3287

■ 28.5448, 35.6563,
65.7001

■ 31.1349, 38.4749,
66.1076

■ 34.3200, 41.6562,
66.5538

■ 38.1454, 45.2243,
67.0409

■ 42.6522, 49.2010,
67.5709

■ 47.8778, 53.6060,
68.1458

■ 53.8566, 58.4577,
68.7671

Harmonies

Analogous

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



20.3707, 29.0572, 50.8734



23.7355, 29.0572, 64.6792



28.5551, 29.0572, 68.6559

Triad

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



23.7355, 29.0572, 64.6792



38.5796, 29.0572, 29.0578



22.3139, 29.0572, 13.8229

Complementary

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



23.7355, 29.0572, 64.6792



27.4809, 15.9274, 1.6273

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.



26.7016, 29.0572, 11.1024



23.7355, 29.0572, 64.6792



36.4077, 29.0572, 17.9896

Square

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



23.7355, 29.0572, 64.6792



37.5333, 29.0572, 44.8211



31.9023, 29.0572, 12.3503



19.6235, 29.0572, 21.3327

Rectangle

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



23.7355, 29.0572, 64.6792



32.0464, 29.0572, 64.3985



31.9023, 29.0572, 12.3503



23.6176, 29.0572, 12.4438

Sweetspot

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



23.7365, 29.0582, 64.6799



66.6152, 76.9245, 105.9447



23.3516, 45.8218, 10.4979



13.5881, 15.8807, 22.5991



0.0000, 0.0000, 0.0000



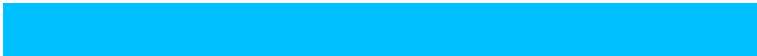
20.3446, 21.4041, 23.3091

Same Dimension

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



23.7365, 29.0582, 64.6799



37.0674, 45.2548, 101.3891



12.9124, 7.4099, 61.0719



11.9038, 12.8978, 15.1058



14.7141, 18.0747, 39.9058



0.8826, 1.1304, 2.2512

Inverse Universe

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



32.4670, 16.0252, 33.7306



50.8391, 25.0996, 52.4782



37.7322, 36.4299, 5.0444



12.1823, 11.9577, 14.2359



20.0577, 9.8959, 21.0079



1.1517, 0.5654, 1.3339

Previews

White Background



This preview shows how the XYZ color 23.7355, 29.0572, 64.6792 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 23.7355, 29.0572, 64.6792 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

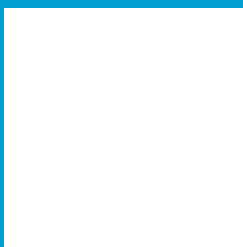
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7355, 29.0572, 64.6792

Background



This preview shows how black text looks on a background with the XYZ color 23.7355, 29.0572, 64.6792.

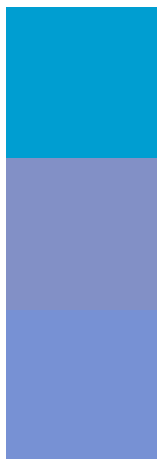


This preview shows how white text looks on a background with the XYZ color 23.7355, 29.0572,

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

23.7355, 29.0572, 64.6792

Protanopia

29.3722, 28.7696, 57.4311

Deuteranopia

29.6168, 28.9262, 66.3097



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

23.7355, 29.0572, 64.6792



Protanomaly

24.9754, 27.5982, 59.8877



Deuteranomaly

25.6447, 28.0523, 65.6910



Tritanomaly

21.7145, 29.0776, 51.4818

Monochromacy



Original Color

23.7355, 29.0572, 64.6792



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.5803, 20.1604, 31.8716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7355, 29.0572, 64.6792 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, 158, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 209)  
}
```

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, 158, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 209) }
```

Border

The CSS property to change the border of an element to XYZ 23.7355, 29.0572, 64.6792 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, 158, 209) }
```


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

```
.border{ border-color:rgb(0, 158, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 158, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 158, 209); box-shadow:4px 4px 4px 4px rgb(0, 158, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7355, 29.0572, 64.6792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 209) }
```

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

```
.background{ background-color: rgb(0, 158,  
209) }
```

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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