

Converting Colors

XYZ(20.9502, 29.2613, 68.7891)

Have a look what the booklet for
XYZ(20.9502, 29.2613, 68.7891)
contains.

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Color

**XYZ(25.7209, 31.8166,
69.0756)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5D7
RGB	0, 165, 215
RGB Percent	0%, 65%, 84%
CMY	0.9998, 0.3529, 0.1569
CMYK	1.00, 0.23, 0.00, 0.16
HSL	194°, 100%, 42%
HSV	194°, 100%, 84%
XYZ	25.7209, 31.8166, 69.0756
YIQ	121.3650, -114.3900, -19.4300

Conversions

Conversions Part 2

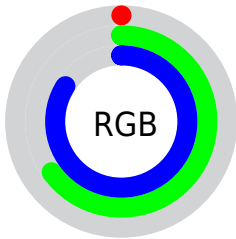
Format	Color
RYB	0, 93, 215
Decimal	42455
CIELab	63.19, -17.93, -35.31
CIELCh	63, 39.606, 243.080
Yxy	31.8166, 0.2031, 0.2513
Android (android.graphics.Color)	4278232535 (0xFF00A5D7)
YUV	121.3650, 46.1621, -106.4371
Hunter-Lab	56.4062, -17.3159, -33.1228

Details

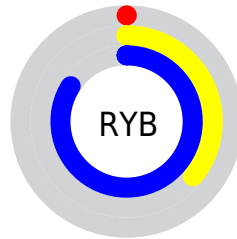
The XYZ color **25.7209, 31.8166, 69.0756** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.1677, 16.7329, 1.6940**, and the grayscale version is **18.1792, 19.1259, 20.8281**.

A 20% lighter version of the original color is **49.2367, 61.2900, 103.8428**, and **12.2503, 14.3483, 35.3815** is the 20% darker color. If you saturate the color by 10%, you get **25.7192, 31.8130, 69.0756**, and if you desaturate by 10%, it is **26.9623, 33.8225, 69.3980**.

Distribution



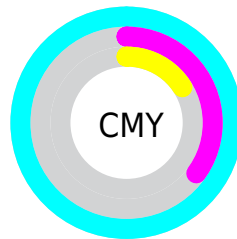
- Red (0%)
- Green (65%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7209, 31.8166, 69.0756 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 25.7209, 31.8166, 69.0756 by changing the saturation by 10% instead.

■ 25.7209, 31.8166,
69.0756

■ 25.7209, 31.8166,
69.0756

273.6912,
310.2830, 475.9987

■ 16.7465, 21.2215,
50.3011

■ 52.2589, 62.5235,
119.5583

■ 10.1481, 13.2860,
35.2799

■ 70.5532, 83.4040,
152.1036

■ 5.5603, 7.6258,
23.5933

■ 92.6849, 108.4817,
190.0762

■ 2.6177, 3.8564,
14.8228

■ 119.0193,
138.1411, 233.8948

■ 0.9550, 1.5936,
8.5499

■ 149.9217,
172.7665, 283.9777

■ 0.0000, 0.3533,
4.3560

185.7577,

■ 0.0000, 0.0000,

212.7424, 340.7437

1.8226

226.8924,
258.4531, 404.6112

■ 0.0000, 0.0000,
0.4428

■ 0.0000, 0.0000,
0.0000

■ 25.7209, 31.8166,
69.0756

■ 25.7209, 31.8166,
69.0756

■ 25.7192, 31.8130,
69.0756

■ 26.9623, 33.8225,
69.3980

■ 28.5951, 36.0827,
69.7482

■ 30.7387, 38.6596,
70.1326

■ 33.4588, 41.5879,
70.5545

■ 36.8110, 44.8967,
71.0165

■ 40.8442, 48.6117,
71.5209

■ 45.6020, 52.7560,
72.0701

■ 51.1246, 57.3508,
72.6659

■ 57.4490, 62.4157,
73.3102

Harmonies

Analogous

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



22.2502, 31.8166, 53.8406



25.7209, 31.8166, 69.0756



30.8099, 31.8166, 74.3085

Triad

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



25.7209, 31.8166, 69.0756



42.0170, 31.8166, 33.0479



24.8513, 31.8166, 15.0246

Complementary

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



25.7209, 31.8166, 69.0756



29.1677, 16.7329, 1.6940

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.



29.6786, 31.8166, 12.4170



25.7209, 31.8166, 69.0756



39.9463, 31.8166, 20.6557

Square

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



25.7209, 31.8166, 69.0756



40.6312, 31.8166, 50.1627



35.2613, 31.8166, 14.1153



21.7923, 31.8166, 22.7080

Rectangle

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



25.7209, 31.8166, 69.0756



34.5580, 31.8166, 70.4366



35.2613, 31.8166, 14.1153



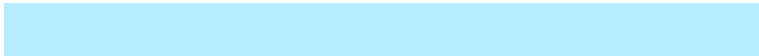
26.2989, 31.8166, 13.6514

Sweetspot

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



25.7220, 31.8177, 69.0764



66.8687, 77.4316, 106.0292



24.8069, 48.8040, 10.7624



13.6491, 16.0028, 22.6194



0.0000, 0.0000, 0.0000



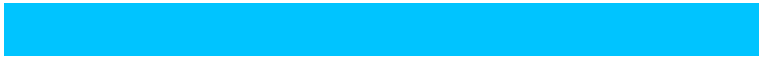
20.3446, 21.4041, 23.3091

Same Dimension

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



25.7220, 31.8177, 69.0764



37.7189, 46.5578, 101.6063



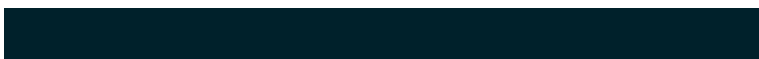
13.9328, 8.2393, 65.1467



12.5359, 13.5953, 15.9010



15.4673, 19.1964, 41.3432



0.9938, 1.2796, 2.5139

Inverse Universe

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



34.8169, 17.1650, 37.0764



51.1680, 25.2312, 54.2099



39.5968, 37.5912, 5.1703



12.8237, 12.5810, 15.0119



20.8660, 10.2827, 22.3964



1.2893, 0.6325, 1.5126

Previews

White Background



This preview shows how the XYZ color 25.7209, 31.8166, 69.0756 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.7209, 31.8166, 69.0756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

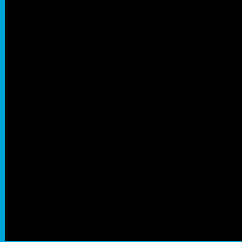
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.7209, 31.8166, 69.0756

Background



This preview shows how black text looks on a background with the XYZ color 25.7209, 31.8166, 69.0756.

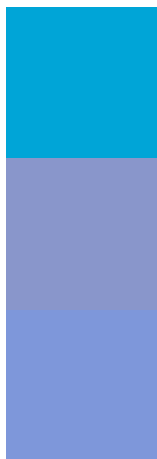


This preview shows how white text looks on a background with the XYZ color 25.7209, 31.8166,

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

25.7209, 31.8166, 69.0756

Protanopia

32.0024, 31.4429, 60.8823

Deuteranopia

32.3257, 31.6308, 70.7313



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

25.7209, 31.8166, 69.0756



Protanomaly

26.9143, 29.9739, 63.3985



Deuteranomaly

27.7211, 30.4922, 70.0702



Tritanomaly

23.7402, 31.9003, 55.9451

Monochromacy



Original Color

25.7209, 31.8166, 69.0756



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.9226, 21.8357, 34.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7209, 31.8166, 69.0756 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, 165, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 215)  
}
```

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, 165, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 215) }
```

Border

The CSS property to change the border of an element to XYZ 25.7209, 31.8166, 69.0756 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, 165, 215) }
```


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

```
.border{ border-color:rgb(0, 165, 215) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7209, 31.8166, 69.0756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 215) }
```

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

```
.background{ background-color: rgb(0, 165,  
215) }
```

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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