

Converting Colors

XYZ(12.0931, 22.2255, 77.1183)

Have a look what the booklet for
XYZ(12.0931, 22.2255, 77.1183)
contains.

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Color

**XYZ(25.8921, 29.3784,
77.7047)**

Conversions

Conversions Part 1

Format	Color
Hex	009CE4
RGB	0, 156, 228
RGB Percent	0%, 61%, 89%
CMY	0.9998, 0.3882, 0.1059
CMYK	1.00, 0.32, 0.00, 0.11
HSL	199°, 100%, 45%
HSV	199°, 100%, 89%
XYZ	25.8921, 29.3784, 77.7047
YIQ	117.5640, -116.0880, -10.6800

Conversions

Conversions Part 2

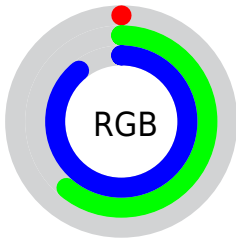
Format	Color
R _Y B	0, 93, 228
Decimal	40164
CIE Lab	61.11, -8.26, -45.77
CIE LCh	61, 46.512, 259.767
Yxy	29.3784, 0.1947, 0.2209
Android (android.graphics.Color)	4278230244 (0xFF009CE4)
YUV	117.5640, 54.4449, -103.1036
Hunter-Lab	54.2018, -9.5842, -47.0579

Details

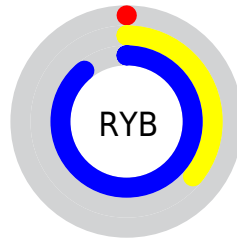
The XYZ color **25.8921, 29.3784, 77.7047** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **34.3169, 21.1370, 2.2729**, and the grayscale version is **16.9516, 17.8344, 19.4217**.

A 20% lighter version of the original color is **46.9223, 56.3164, 103.0048**, and **12.4980, 13.0817, 40.8960** is the 20% darker color. If you saturate the color by 10%, you get **25.8891, 29.3723, 77.7043**, and if you desaturate by 10%, it is **27.4873, 32.0487, 78.1367**.

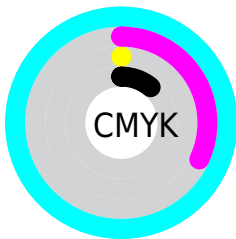
Distribution



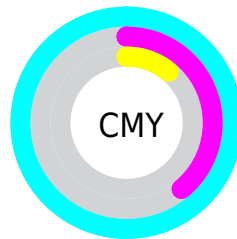
- Red (0%)
- Green (61%)
- Blue (89%)



- Red (0%)
- Yellow (36%)
- Blue (89%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8921, 29.3784, 77.7047 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 25.8921, 29.3784, 77.7047 by changing the saturation by 10% instead.

■ 25.8921, 29.3784,
77.7047

■ 25.8921, 29.3784,
77.7047

274.5184,
298.9962, 506.6647

■ 16.8752, 19.3673,
57.3164

■ 52.5334, 58.6778,
131.9158

■ 10.2403, 11.9360,
40.8483

■ 70.8884, 78.7348,
166.5758

■ 5.6221, 6.7001,
27.8818

■ 93.0869, 102.9092,
206.8300

■ 2.6551, 3.2752,
17.9983

■ 119.4942,
131.5854, 253.0971

■ 0.9741, 1.2771,
10.7793

■ 150.4757,
165.1478, 305.7956

■ 0.0000, 0.1233,
5.8063

186.3966,

■ 0.0000, 0.0000,

203.9808, 365.3440

2.6608

227.6224,
248.4688, 432.1608

■ 0.0000, 0.0000,
0.9236

■ 0.0000, 0.0000,
0.0000

■ 25.8921, 29.3784,
77.7047

■ 25.8921, 29.3784,
77.7047

■ 25.8891, 29.3723,
77.7043

■ 27.4873, 32.0487,
78.1367

■ 29.5661, 35.0762,
78.6115

■ 32.2624, 38.5319,
79.1364

■ 35.6531, 42.4572,
79.7153

■ 39.8034, 46.8873,
80.3517

■ 44.7703, 51.8532,
81.0484

■ 50.6050, 57.3830,
81.8083

■ 57.3544, 63.5025,
82.6337

■ 65.0619, 70.2353,
83.5270

Harmonies

Analogous

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



21.0156, 29.3784, 65.0715



25.8921, 29.3784, 77.7047



32.0782, 29.3784, 75.1242

Triad

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



25.8921, 29.3784, 77.7047



40.4713, 29.3784, 21.9247



19.8963, 29.3784, 14.8348

Complementary

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



25.8921, 29.3784, 77.7047



34.3169, 21.1370, 2.2729

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.



24.1436, 29.3784, 9.6544



25.8921, 29.3784, 77.7047



36.1996, 29.3784, 12.5943

Square

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



25.8921, 29.3784, 77.7047



41.1205, 29.3784, 38.3307



30.0580, 29.3784, 9.0191



17.9032, 29.3784, 26.3869

Rectangle

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



25.8921, 29.3784, 77.7047



36.1128, 29.3784, 65.3541



30.0580, 29.3784, 9.0191



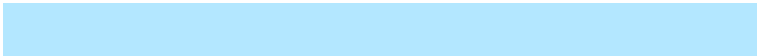
21.0762, 29.3784, 12.5001

Sweetspot

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



25.8932, 29.3793, 77.7055



65.0550, 73.8042, 105.4246



28.8014, 55.9105, 14.8140



13.2137, 15.1319, 22.4743



0.0000, 0.0000, 0.0000



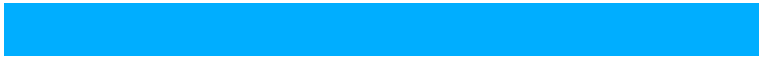
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8932, 29.3793, 77.7055



33.2737, 37.6673, 100.1246



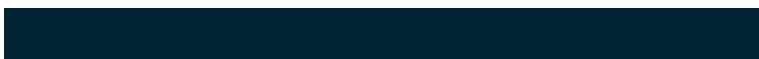
14.9679, 7.5287, 74.0637



14.4034, 15.5282, 18.3824



15.0601, 17.1823, 44.9059



1.1954, 1.4346, 3.3459

Inverse Universe

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



37.9967, 18.8958, 33.0978



48.9242, 24.3337, 42.3945



48.8082, 50.1196, 7.1034



14.7912, 14.5337, 17.1008



21.9951, 10.9323, 19.4012



1.6670, 0.8245, 1.6529

Previews

White Background



This preview shows how the XYZ color 25.8921, 29.3784, 77.7047 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 25.8921, 29.3784, 77.7047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

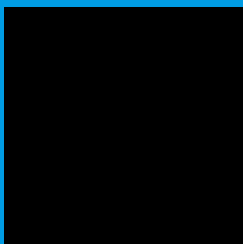
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

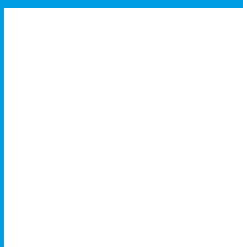
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8921, 29.3784, 77.7047

Background



This preview shows how black text looks on a background with the XYZ color 25.8921, 29.3784, 77.7047.



This preview shows how white text looks on a background with the XYZ color 25.8921, 29.3784,

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

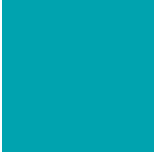
25.8921, 29.3784, 77.7047

Protanopia

30.6542, 29.1460, 70.3398

Deuteranopia

30.1961, 29.4054, 78.9472



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



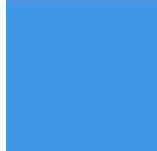
Original Color

25.8921, 29.3784, 77.7047



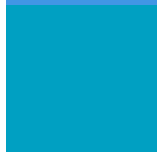
Protanomaly

26.9166, 28.0734, 73.1073



Deuteranomaly

27.2292, 28.5937, 78.2127



Tritanomaly

22.3084, 29.0367, 55.4678

Monochromacy



Original Color

25.8921, 29.3784, 77.7047



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.3245, 20.4670, 35.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8921, 29.3784, 77.7047 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, 156, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 228)  
}
```

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, 156, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 228) }
```

Border

The CSS property to change the border of an element to XYZ 25.8921, 29.3784, 77.7047 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, 156, 228) }
```


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

```
.border{ border-color:rgb(0, 156, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8921, 29.3784, 77.7047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 228) }
```

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

```
.background{ background-color: rgb(0, 156,  
228) }
```

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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