

Converting Colors

XYZ(29.3725, 35.5831, 77.2727)

Have a look what the booklet for
XYZ(29.3725, 35.5831, 77.2727)
contains.

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Color

**XYZ(29.2793, 35.4081,
77.2428)**

Conversions

Conversions Part 1

Format	Color
Hex	26ACE2
RGB	38, 172, 226
RGB Percent	15%, 67%, 89%
CMY	0.8509, 0.3255, 0.1137
CMYK	0.83, 0.24, 0.00, 0.11
HSL	197°, 76%, 52%
HSV	197°, 83%, 89%
XYZ	29.2793, 35.4081, 77.2428
YIQ	138.0900, -97.1980, -11.6140

Conversions

Conversions Part 2

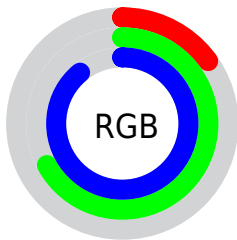
Format	Color
R _Y B	38, 116, 226
Decimal	2534626
CIE Lab	66.07, -16.04, -36.88
CIE LCh	66, 40.220, 246.489
Yxy	35.4081, 0.2063, 0.2495
Android (android.graphics.Color)	4280724706 (0xFF26ACE2)
YUV	138.0900, 43.3396, -87.7789
Hunter-Lab	59.5047, -16.3023, -35.3108

Details

The XYZ color **29.2793, 35.4081, 77.2428** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.5432, 23.9663, 4.5879**, and the grayscale version is **24.0608, 25.3138, 27.5667**.

A 20% lighter version of the original color is **52.7215, 65.8712, 104.5434**, and **13.9722, 16.3352, 40.4468** is the 20% darker color. If you saturate the color by 10%, you get **27.4788, 32.6908, 76.8139**, and if you desaturate by 10%, it is **31.6476, 38.5089, 77.7172**.

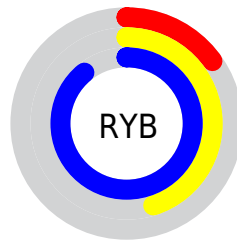
Distribution



Red (15%)

Green (67%)

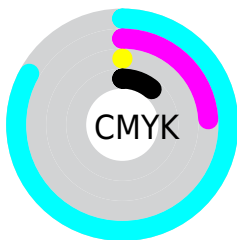
Blue (89%)



Red (15%)

Yellow (45%)

Blue (89%)

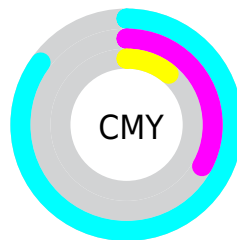


Cyan (83%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (85%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2793, 35.4081, 77.2428 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 29.2793, 35.4081, 77.2428 by changing the saturation by 10% instead.

■ 29.2793, 35.4081,
77.2428

■ 29.2793, 35.4081,
77.2428

290.5010,
326.3660, 505.0511

■ 19.4376, 23.9774,
56.9394

■ 57.9150, 68.1175,
131.2583

■ 12.0927, 15.3169,
40.5476

■ 77.4397, 90.1650,
165.8075

■ 6.8795, 9.0421,
27.6487

■ 100.9228,
116.5202, 205.9424

■ 3.4325, 4.7686,
17.8243

■ 128.7296,
147.5676, 252.0815

■ 1.3864, 2.1122,
10.6558

■ 161.2254,
183.6914, 304.6434

■ 0.2465, 0.6715,
5.7246

198.7757,

■ 0.0000, 0.0000,

225.2762, 364.0466

2.6123

241.7458,
272.7062, 430.7097

■ 0.0000, 0.0000,
0.8988

■ 0.0000, 0.0000,
0.0000

■ 29.2793, 35.4081,
77.2428

■ 29.2793, 35.4081,
77.2428

■ 27.4788, 32.6908,
76.8139

■ 31.6476, 38.5089,
77.7172

■ 26.4866, 31.0091,
76.5416

■ 34.6603, 42.0321,
78.2385

■ 38.3852, 46.0146,
78.8109

■ 42.8801, 50.4873,
79.4373

■ 48.1965, 55.4779,
80.1203

■ 54.3813, 61.0118,
80.8625

■ 61.4777, 67.1123,
81.6660

■ 69.5258, 73.8012,
82.5329

■ 78.5633, 81.0991,
83.4652

Harmonies

Analogous

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



25.2428, 35.4081, 61.5958



29.2793, 35.4081, 77.2428



34.9684, 35.4081, 81.3153

Triad

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



29.2793, 35.4081, 77.2428



46.3978, 35.4081, 34.9559



27.2788, 35.4081, 17.7014

Complementary

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



29.2793, 35.4081, 77.2428



35.5432, 23.9663, 4.5879

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.



32.3736, 35.4081, 14.2443



29.2793, 35.4081, 77.2428



43.7533, 35.4081, 22.1209

Square

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



29.2793, 35.4081, 77.2428



45.3169, 35.4081, 53.2126



38.4448, 35.4081, 15.5809



24.1869, 35.4081, 26.8688

Rectangle

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



29.2793, 35.4081, 77.2428



39.0387, 35.4081, 76.1009



38.4448, 35.4081, 15.5809



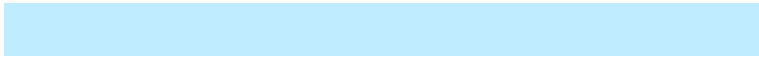
28.7893, 35.4081, 15.9790

Sweetspot

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



29.2806, 35.4093, 77.2437



69.7926, 78.7164, 106.1231



29.8971, 55.5659, 19.1106



14.3119, 16.2909, 22.6401



0.0000, 0.0000, 0.0000



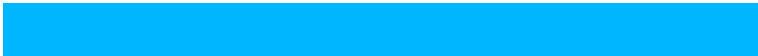
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2806, 35.4093, 77.2437



34.7268, 40.5735, 100.6089



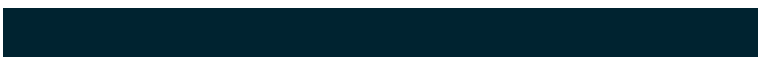
17.3055, 11.4592, 73.2520



13.7666, 14.8722, 17.5327



15.2168, 17.9032, 43.7020



1.1302, 1.3919, 3.0543

Inverse Universe

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



39.5047, 20.5350, 40.9123



49.6577, 24.6271, 46.2568



49.1203, 51.1206, 9.1137



14.1184, 13.8650, 16.3936



21.6210, 10.7154, 20.4675



1.5367, 0.7580, 1.6193

Previews

White Background



This preview shows how the XYZ color 29.2793, 35.4081, 77.2428 looks on a white background.

Color Contrast Check

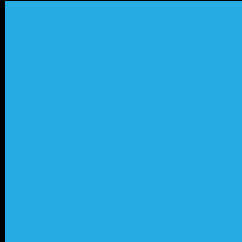
Large Text (above 18pt) WCAG AA × Fail

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 29.2793, 35.4081, 77.2428 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

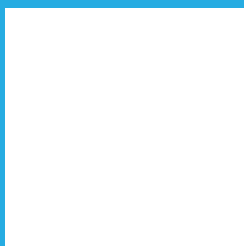
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2793, 35.4081, 77.2428

Background



This preview shows how black text looks on a background with the XYZ color 29.2793, 35.4081, 77.2428.

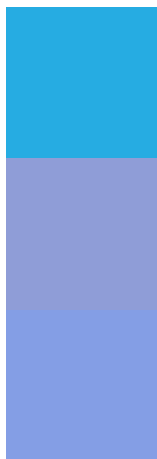


This preview shows how white text looks on a background with the XYZ color 29.2793, 35.4081,

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

29.2793, 35.4081, 77.2428

Protanopia

35.6504, 34.8599, 69.1396

Deuteranopia

35.8854, 35.0164, 78.9962



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

29.2793, 35.4081, 77.2428



Protanomaly

31.5322, 33.9584, 71.9105



Deuteranomaly

32.1378, 34.3925, 78.3434



Tritanomaly

26.4102, 35.1129, 62.5123

Monochromacy



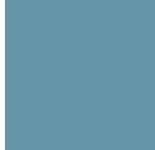
Original Color

29.2793, 35.4081, 77.2428



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.6415, 27.5398, 42.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2793, 35.4081, 77.2428 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(38, 172, 226)` looks like.

```
.text, #text, p{  
    color:rgb(38, 172, 226)  
}
```

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(38, 172, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 172, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.2793, 35.4081, 77.2428 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(38, 172, 226) }
```


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

```
.border{ border-color:rgb(38, 172, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 172, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 172, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 172, 226);  
box-shadow:4px 4px 4px 4px rgb(38, 172,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2793, 35.4081, 77.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 172, 226) }
```

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

```
.background{ background-color: rgb(38, 172,  
226) }
```

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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