

Converting Colors

XYZ(18.3412, 31.2506, 74.5855)

Have a look what the booklet for
XYZ(18.3412, 31.2506, 74.5855)
contains.

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Color

**XYZ(29.0414, 36.7720,
75.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1DF
RGB	0, 177, 223
RGB Percent	0%, 69%, 87%
CMY	0.9998, 0.3059, 0.1255
CMYK	1.00, 0.21, 0.00, 0.13
HSL	192°, 100%, 44%
HSV	192°, 100%, 87%
XYZ	29.0414, 36.7720, 75.3791
YIQ	129.3210, -120.2580, -23.2180

Conversions

Conversions Part 2

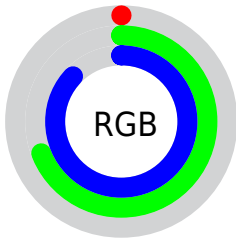
Format	Color
RYB	0, 99, 223
Decimal	45535
CIELab	67.11, -21.45, -33.64
CIELCh	67, 39.896, 237.482
Yxy	36.7720, 0.2057, 0.2604
Android (android.graphics.Color)	4278235615 (0xFF00B1DF)
YUV	129.3210, 46.1837, -113.4145
Hunter-Lab	60.6399, -20.6334, -31.2531

Details

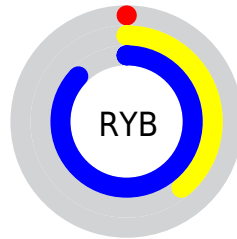
The XYZ color **29.0414, 36.7720, 75.3791** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.4111, 17.6463, 1.7521**, and the grayscale version is **20.8581, 21.9443, 23.8974**.

A 20% lighter version of the original color is **53.1328, 68.5620, 105.0411**, and **14.2755, 17.2425, 39.6215** is the 20% darker color. If you saturate the color by 10%, you get **29.0398, 36.7686, 75.3793**, and if you desaturate by 10%, it is **30.3049, 38.7960, 75.7039**.

Distribution



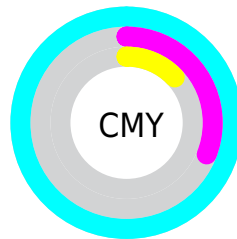
- Red (0%)
- Green (69%)
- Blue (87%)



- Red (0%)
- Yellow (39%)
- Blue (87%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0414, 36.7720, 75.3791 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 29.0414, 36.7720, 75.3791 by changing the saturation by 10% instead.

■ 29.0414, 36.7720,
75.3791

■ 29.0414, 36.7720,
75.3791

289.4009,
332.3224, 498.5097

■ 19.2566, 25.0310,
55.4199

■ 57.5400, 70.2220,
128.6009

■ 11.9609, 16.1002,
39.3372

■ 76.9844, 92.6998,
162.7006

■ 6.7891, 9.5951,
26.7123

■ 100.3795,
119.5253, 202.3508

■ 3.3757, 5.1313,
17.1267

■ 128.0904,
151.0829, 247.9702

■ 1.3554, 2.3245,
10.1620

■ 160.4827,
187.7570, 299.9772

■ 0.2241, 0.7866,
5.3995

197.9217,

■ 0.0000, 0.0000,

229.9320, 358.7905

2.4207

240.7726,
277.9923, 424.8285

■ 0.0000, 0.0000,
0.7977

■ 0.0000, 0.0000,
0.0000

■ 29.0414, 36.7720,
75.3791

■ 29.0414, 36.7720,
75.3791

■ 29.0398, 36.7686,
75.3793

■ 30.3049, 38.7960,
75.7039

■ 31.9884, 41.0817,
76.0564

■ 34.2193, 43.6961,
76.4434

■ 37.0699, 46.6767,
76.8685

■ 40.6008, 50.0552,
77.3345

■ 44.8654, 53.8595,
77.8440

■ 49.9114, 58.1147,
78.3994

■ 55.7825, 62.8437,
79.0028

■ 62.5190, 68.0676,
79.6560

Harmonies

Analogous

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



25.5805, 36.7720, 57.5401



29.0414, 36.7720, 75.3791



34.4401, 36.7720, 83.6068

Triad

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



29.0414, 36.7720, 75.3791



47.9636, 36.7720, 41.5259



29.8339, 36.7720, 17.0935

Complementary

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



29.0414, 36.7720, 75.3791



31.4111, 17.6463, 1.7521

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.



35.4663, 36.7720, 15.0586



29.0414, 36.7720, 75.3791



46.3682, 36.7720, 26.5029

Square

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



29.0414, 36.7720, 75.3791



45.7515, 36.7720, 60.8424



41.6117, 36.7720, 17.9402



25.9994, 36.7720, 24.6165

Rectangle

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



29.0414, 36.7720, 75.3791



38.5775, 36.7720, 81.1602



41.6117, 36.7720, 17.9402



31.5586, 36.7720, 15.8605

Sweetspot

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



29.0427, 36.7733, 75.3800



67.4549, 78.6040, 106.2246



26.8554, 52.9630, 11.2542



13.7904, 16.2852, 22.6665



0.0000, 0.0000, 0.0000



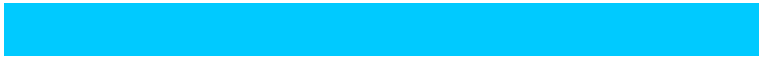
20.3446, 21.4041, 23.3091

Same Dimension

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



29.0427, 36.7733, 75.3800



39.2617, 49.6434, 102.1206



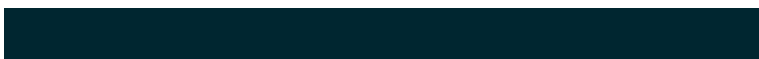
15.3235, 9.3350, 70.8070



13.8639, 15.0669, 17.5652



17.1582, 21.7860, 44.3491



1.2505, 1.6326, 3.0944

Inverse Universe

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



38.3684, 18.8637, 43.2150



51.9467, 25.5427, 58.3107



42.3401, 39.5044, 5.3951



14.1675, 13.8846, 16.6524



22.6009, 11.1074, 25.6277



1.5975, 0.7823, 1.9391

Previews

White Background



This preview shows how the XYZ color 29.0414, 36.7720, 75.3791 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 29.0414, 36.7720, 75.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

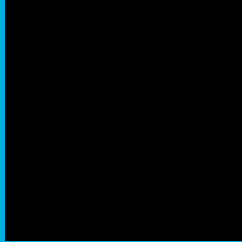
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0414, 36.7720, 75.3791

Background



This preview shows how black text looks on a background with the XYZ color 29.0414, 36.7720, 75.3791.

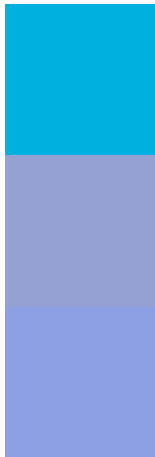


This preview shows how white text looks on a background with the XYZ color 29.0414, 36.7720,

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

29.0414, 36.7720, 75.3791

Protanopia

36.7231, 36.2343, 66.6864

Deuteranopia

37.2512, 36.2631, 77.7092



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

29.0414, 36.7720, 75.3791



Protanomaly

30.6213, 34.6116, 69.3568



Deuteranomaly

31.4835, 34.8873, 77.0261



Tritanomaly

27.1395, 36.6480, 63.4010

Monochromacy



Original Color

29.0414, 36.7720, 75.3791



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.3694, 24.9960, 38.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0414, 36.7720, 75.3791 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, 177, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 223)  
}
```

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, 177, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 223) }
```

Border

The CSS property to change the border of an element to XYZ 29.0414, 36.7720, 75.3791 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, 177, 223) }
```


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

```
.border{ border-color:rgb(0, 177, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0414, 36.7720, 75.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 223) }
```

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

```
.background{ background-color: rgb(0, 177,  
223) }
```

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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