

Converting Colors

XYZ(29.5778, 37.7961, 74.4818)

Have a look what the booklet for
XYZ(29.5778, 37.7961, 74.4818)
contains.

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Color

**XYZ(29.4207, 37.5893,
74.1114)**

Conversions

Conversions Part 1

Format	Color
Hex	12B3DD
RGB	18, 179, 221
RGB Percent	7%, 70%, 87%
CMY	0.9293, 0.2980, 0.1333
CMYK	0.92, 0.19, 0.00, 0.13
HSL	192°, 85%, 47%
HSV	192°, 92%, 87%
XYZ	29.4207, 37.5893, 74.1114
YIQ	135.6490, -109.4380, -21.0700

Conversions

Conversions Part 2

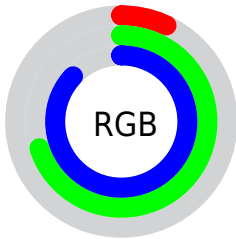
Format	Color
RYB	18, 108, 221
Decimal	1225693
CIELab	67.72, -22.62, -31.59
CIELCh	68, 38.854, 234.394
Yxy	37.5893, 0.2085, 0.2664
Android (android.graphics.Color)	4279415773 (0xFF12B3DD)
YUV	135.6490, 42.0780, -103.1782
Hunter-Lab	61.3101, -21.6364, -28.7524

Details

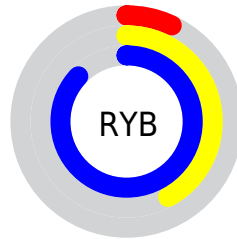
The XYZ color **29.4207, 37.5893, 74.1114** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5462, 18.6514, 2.5112**, and the grayscale version is **23.1522, 24.3580, 26.5258**.

A 20% lighter version of the original color is **54.0650, 69.8879, 105.2479**, and **14.3438, 17.6749, 38.7320** is the 20% darker color. If you saturate the color by 10%, you get **28.4339, 35.9858, 73.8547**, and if you desaturate by 10%, it is **30.9841, 39.7792, 74.4524**.

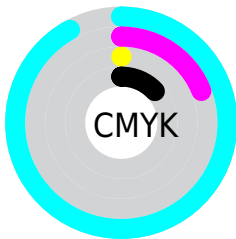
Distribution



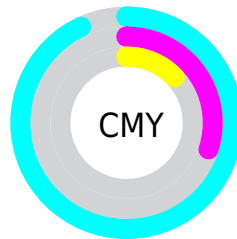
- Red (7%)
- Green (70%)
- Blue (87%)



- Red (7%)
- Yellow (42%)
- Blue (87%)



- Cyan (92%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (93%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4207, 37.5893, 74.1114 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 29.4207, 37.5893, 74.1114 by changing the saturation by 10% instead.

■ 29.4207, 37.5893,
74.1114

■ 29.4207, 37.5893,
74.1114

291.1533,
335.8549, 494.0314

■ 19.5452, 25.6641,
54.3879

■ 58.1378, 71.4782,
126.7892

■ 12.1712, 16.5725,
38.5166

■ 77.7100, 94.2107,
160.5806

■ 6.9334, 9.9302,
26.0789

■ 101.2453,
121.3144, 199.8983

■ 3.4665, 5.3527,
16.6564

■ 129.1088,
153.1737, 245.1610

■ 1.4050, 2.4556,
9.8305

■ 161.6661,
190.1730, 296.7871

■ 0.2598, 0.8543,
5.1826

199.2823,

■ 0.0000, 0.0000,

232.6967, 355.1952

2.2942

242.3229,
281.1292, 420.8038

■ 0.0000, 0.0000,
0.7279

■ 0.0000, 0.0000,
0.0000

■ 29.4207, 37.5893,
74.1114

■ 29.4207, 37.5893,
74.1114

■ 28.4339, 35.9858,
73.8547

■ 30.9841, 39.7792,
74.4524

■ 33.0677, 42.2822,
74.8258

■ 35.7461, 45.1378,
75.2358

■ 39.0803, 48.3779,
75.6854

■ 43.1238, 52.0304,
76.1773

■ 47.9240, 56.1202,
76.7138

■ 53.5243, 60.6702,
77.2968

■ 59.9649, 65.7012,
77.9284

■ 67.2829, 71.2329,
78.6105

Harmonies

Analogous

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



26.2139, 37.5893, 56.1529



29.4207, 37.5893, 74.1114



34.6119, 37.5893, 83.4217

Triad

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



29.4207, 37.5893, 74.1114



48.4879, 37.5893, 44.2429



31.1699, 37.5893, 17.6033

Complementary

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



29.4207, 37.5893, 74.1114



31.5462, 18.6514, 2.5112

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.



36.8668, 37.5893, 16.0597



29.4207, 37.5893, 74.1114



47.3025, 37.5893, 28.7390

Square

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



29.4207, 37.5893, 74.1114



45.9561, 37.5893, 63.3452



42.8768, 37.5893, 19.5080



27.1418, 37.5893, 24.5433

Rectangle

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



29.4207, 37.5893, 74.1114



38.6739, 37.5893, 82.0160



42.8768, 37.5893, 19.5080



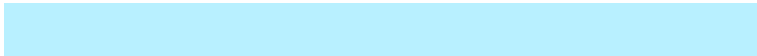
32.9347, 37.5893, 16.5356

Sweetspot

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



29.4220, 37.5906, 74.1123



68.9480, 79.8141, 106.3795



26.8867, 52.1543, 12.7371



14.0740, 16.5191, 22.6967



0.0000, 0.0000, 0.0000



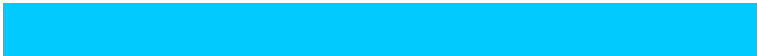
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4220, 37.5906, 74.1123



39.2255, 49.5710, 102.1085



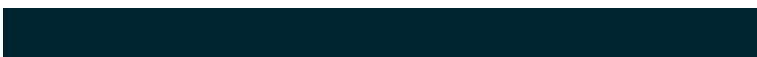
16.0920, 10.9307, 69.6690



13.2042, 14.3481, 16.7257



16.6012, 21.0719, 42.9307



1.1343, 1.4827, 2.8009

Inverse Universe

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



38.1729, 19.0609, 44.3163



51.9284, 25.5354, 58.2144



42.5187, 40.5964, 6.1687



13.4929, 13.2263, 15.8570



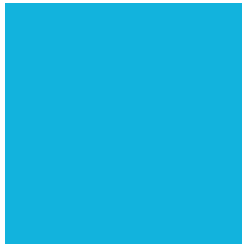
21.8749, 10.7510, 24.7849



1.4468, 0.7084, 1.7619

Previews

White Background



This preview shows how the XYZ color 29.4207, 37.5893, 74.1114 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 29.4207, 37.5893, 74.1114 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

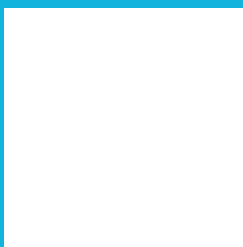
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4207, 37.5893, 74.1114

Background



This preview shows how black text looks on a background with the XYZ color 29.4207, 37.5893, 74.1114.

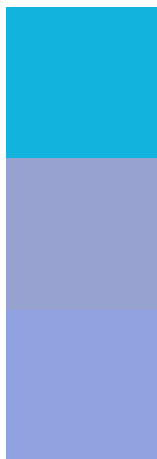


This preview shows how white text looks on a background with the XYZ color 29.4207, 37.5893,

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

29.4207, 37.5893, 74.1114

Protanopia

37.2544, 37.0701, 64.8662

Deuteranopia

38.1880, 37.2966, 76.4204



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



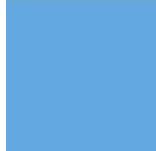
Original Color

29.4207, 37.5893, 74.1114



Protanomaly

31.6064, 35.6929, 68.1744



Deuteranomaly

32.6028, 36.0397, 75.7590



Tritanomaly

27.6309, 37.5007, 63.5397

Monochromacy



Original Color

29.4207, 37.5893, 74.1114



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.7175, 27.5736, 40.6841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4207, 37.5893, 74.1114 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(18, 179, 221)` looks like.

```
.text, #text, p{  
    color:rgb(18, 179, 221)  
}
```

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(18, 179, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 179, 221) }
```

Border

The CSS property to change the border of an element to XYZ 29.4207, 37.5893, 74.1114 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(18, 179, 221) }
```


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

```
.border{ border-color:rgb(18, 179, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 179, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 179, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 179, 221);  
box-shadow:4px 4px 4px 4px rgb(18, 179,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4207, 37.5893, 74.1114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 179, 221) }
```

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

```
.background{ background-color: rgb(18, 179,  
221) }
```

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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