

Converting Colors

XYZ(12.4485, 24.2944, 85.0722)

Have a look what the booklet for
XYZ(12.4485, 24.2944, 85.0722)
contains.

XYZ(28.7081, 32.7240, 85.6922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7081, 32.7240,
85.6922)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4EE
RGB	0, 164, 238
RGB Percent	0%, 64%, 93%
CMY	0.9997, 0.3569, 0.0667
CMYK	1.00, 0.31, 0.00, 0.07
HSL	199°, 100%, 47%
HSV	199°, 100%, 93%
XYZ	28.7081, 32.7240, 85.6922
YIQ	123.4000, -121.4980, -11.7540

Conversions

Conversions Part 2

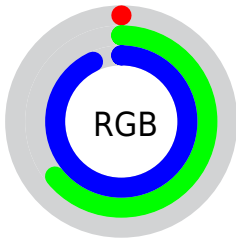
Format	Color
RYB	0, 97, 238
Decimal	42222
CIELab	63.94, -9.08, -46.83
CIELCh	64, 47.704, 259.026
Yxy	32.7240, 0.1951, 0.2224
Android (android.graphics.Color)	4278232302 (0xFF00A4EE)
YUV	123.4000, 56.4978, -108.2218
Hunter-Lab	57.2049, -10.5289, -48.7722

Details

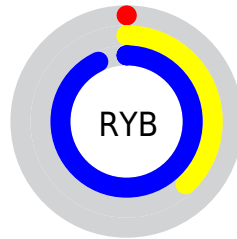
The XYZ color **28.7081, 32.7240, 85.6922** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **37.7137, 23.0837, 2.4698**, and the grayscale version is **18.8136, 19.7934, 21.5550**.

A 20% lighter version of the original color is **49.5659, 61.0712, 103.7833**, and **14.3486, 15.1877, 46.4312** is the 20% darker color. If you saturate the color by 10%, you get **28.7048, 32.7173, 85.6918**, and if you desaturate by 10%, it is **30.4455, 35.6442, 86.1650**.

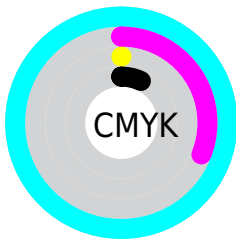
Distribution



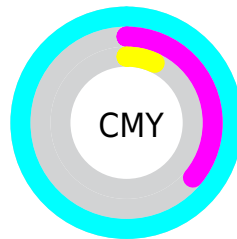
- Red (0%)
- Green (64%)
- Blue (93%)



- Red (0%)
- Yellow (38%)
- Blue (93%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7081, 32.7240, 85.6922 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 28.7081, 32.7240, 85.6922 by changing the saturation by 10% instead.

■ 28.7081, 32.7240,
85.6922

■ 28.7081, 32.7240,
85.6922

287.8543,
314.4042, 534.1199

■ 19.0033, 21.9151,
63.8600

■ 57.0138, 63.9444,
143.2226

■ 11.7767, 13.7945,
46.0919

■ 76.3453, 85.1247,
179.7580

■ 6.6629, 7.9779,
31.9691

■ 99.6165, 110.5308,
222.0315

■ 3.2966, 4.0808,
21.0733

■ 127.1927,
140.5473, 270.4616

■ 1.3125, 1.7189,
12.9858

■ 159.4392,
175.5585, 325.4670

■ 0.1926, 0.4358,
7.2882

196.7214,

■ 0.0000, 0.0000,

215.9488, 387.4662

3.5618

239.4046,
262.1026, 456.8776

■ 0.0000, 0.0000,
1.3882

■ 0.0000, 0.0000,
0.1325

■ 28.7081, 32.7240,
85.6922

■ 28.7081, 32.7240,
85.6922

■ 28.7048, 32.7173,
85.6918

■ 30.4455, 35.6442,
86.1650

■ 32.7172, 38.9557,
86.6845

■ 35.6683, 42.7358,
87.2585

■ 39.3848, 47.0303,
87.8916

■ 43.9390, 51.8784,
88.5873

■ 49.3942, 57.3145,
89.3491

■ 55.8074, 63.3696,
90.1798

■ 63.2306, 70.0721,
91.0823

■ 71.7118, 77.4485,
92.0591

Harmonies

Analogous

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



23.3779, 32.7240, 71.5002



28.7081, 32.7240, 85.6922



35.5075, 32.7240, 83.3013

Triad

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



28.7081, 32.7240, 85.6922



44.9844, 32.7240, 24.8795



22.3336, 32.7240, 16.4600

Complementary

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



28.7081, 32.7240, 85.6922



37.7137, 23.0837, 2.4698

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.



27.0790, 32.7240, 10.8506



28.7081, 32.7240, 85.6922



40.3666, 32.7240, 14.3611

Square

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



28.7081, 32.7240, 85.6922



45.5875, 32.7240, 43.1485



33.6279, 32.7240, 10.2533



20.0664, 32.7240, 29.0414

Rectangle

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



28.7081, 32.7240, 85.6922



39.9674, 32.7240, 72.7948



33.6279, 32.7240, 10.2533



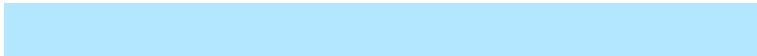
23.6572, 32.7240, 13.9242

Sweetspot

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



28.7093, 32.7251, 85.6930



65.1592, 74.0126, 105.4593



31.7273, 61.6107, 16.2565



13.2387, 15.1818, 22.4826



0.0000, 0.0000, 0.0000



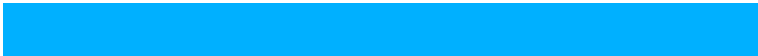
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7093, 32.7251, 85.6930



33.5153, 38.1506, 100.2051



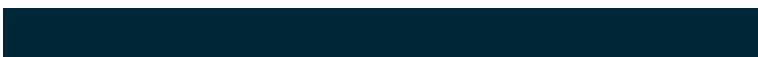
16.4764, 8.2592, 81.6154



15.8085, 17.0512, 20.1796



16.1347, 18.4937, 47.8471



1.4304, 1.7148, 4.0098

Inverse Universe

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



41.9619, 20.8591, 36.9373



49.0462, 24.3825, 43.0367



53.7638, 55.1839, 7.8198



16.2328, 15.9428, 18.7821



23.4697, 11.6603, 20.9217



1.9970, 0.9878, 1.9748

Previews

White Background



This preview shows how the XYZ color 28.7081, 32.7240, 85.6922 looks on a white background.

Color Contrast Check

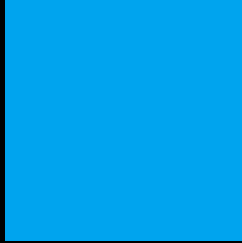
Large Text (above 18pt) WCAG AA × Fail

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 28.7081, 32.7240, 85.6922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

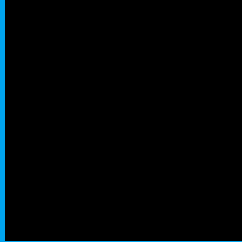
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

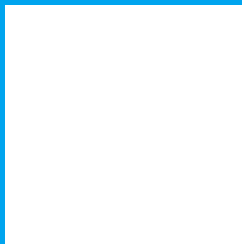
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7081, 32.7240, 85.6922

Background



This preview shows how black text looks on a background with the XYZ color 28.7081, 32.7240, 85.6922.



This preview shows how white text looks on a background with the XYZ color 28.7081, 32.7240,

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

28.7081, 32.7240, 85.6922

Protanopia

33.8338, 32.2685, 77.1182

Deuteranopia

33.4681, 32.5906, 86.9647



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

28.7081, 32.7240, 85.6922

Protanomaly

29.7056, 31.2958, 80.0763

Deuteranomaly

30.2611, 31.9509, 86.2336

Tritanomaly

24.9017, 32.3649, 62.0613

Monochromacy



Original Color

28.7081, 32.7240, 85.6922

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0219, 22.5133, 38.9402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7081, 32.7240, 85.6922 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, 164, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 238)  
}
```

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, 164, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 238) }
```

Border

The CSS property to change the border of an element to XYZ 28.7081, 32.7240, 85.6922 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, 164, 238) }
```


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

```
.border{ border-color:rgb(0, 164, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7081, 32.7240, 85.6922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 238) }
```

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

```
.background{ background-color: rgb(0, 164,  
238) }
```

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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