

Converting Colors

XYZ(17.4443, 26.8116, 83.6954)

Have a look what the booklet for
XYZ(17.4443, 26.8116, 83.6954)
contains.

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Color

**XYZ(28.2375, 32.2505,
84.0936)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3EC
RGB	0, 163, 236
RGB Percent	0%, 64%, 93%
CMY	0.9998, 0.3608, 0.0745
CMYK	1.00, 0.31, 0.00, 0.07
HSL	199°, 100%, 46%
HSV	199°, 100%, 93%
XYZ	28.2375, 32.2505, 84.0936
YIQ	122.5850, -120.5810, -11.8530

Conversions

Conversions Part 2

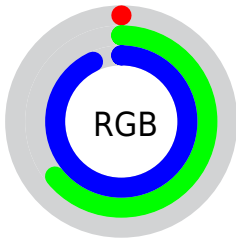
Format	Color
RYB	0, 96, 236
Decimal	41964
CIELab	63.55, -9.25, -46.34
CIELCh	64, 47.259, 258.707
Yxy	32.2505, 0.1953, 0.2231
Android (android.graphics.Color)	4278232044 (0xFF00A3EC)
YUV	122.5850, 55.9136, -107.5070
Hunter-Lab	56.7895, -10.6260, -48.0436

Details

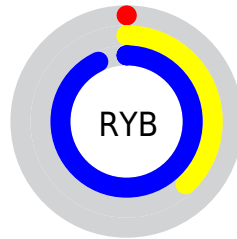
The XYZ color **28.2375, 32.2505, 84.0936** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.9794, 22.6064, 2.4162**, and the grayscale version is **18.5474, 19.5133, 21.2500**.

A 20% lighter version of the original color is **49.3057, 60.5510, 103.6966**, and **14.0324, 14.8836, 45.3133** is the 20% darker color. If you saturate the color by 10%, you get **28.2345, 32.2442, 84.0932**, and if you desaturate by 10%, it is **29.9409, 35.1096, 84.5564**.

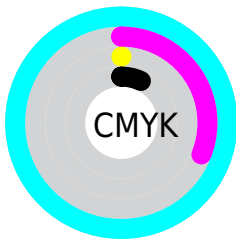
Distribution



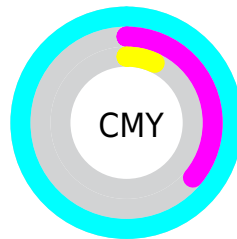
- Red (0%)
- Green (64%)
- Blue (93%)



- 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 28.2375, 32.2505, 84.0936 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 28.2375, 32.2505, 84.0936 by changing the saturation by 10% instead.

■ 28.2375, 32.2505,
84.0936

■ 28.2375, 32.2505,
84.0936

285.6596,
312.2588, 528.6902

■ 18.6461, 21.5529,
62.5469

■ 56.2694, 63.2036,
140.9690

■ 11.5174, 13.5288,
45.0361

■ 75.4406, 84.2279,
177.1348

■ 6.4858, 7.7936,
31.1427

■ 98.5359, 109.4632,
219.0106

■ 3.1861, 3.9632,
20.4482

■ 125.9205,
139.2939, 267.0151

■ 1.2529, 1.6530,
12.5339

■ 157.9598,
174.1044, 321.5667

■ 0.1476, 0.3929,
6.9815

195.0192,

■ 0.0000, 0.0000,

214.2791, 383.0841

3.3722

237.4640,
260.2025, 451.9858

■ 0.0000, 0.0000,
1.2877

■ 0.0000, 0.0000,
0.0517

■ 28.2375, 32.2505,
84.0936

■ 28.2375, 32.2505,
84.0936

■ 28.2345, 32.2442,
84.0932

■ 29.9409, 35.1096,
84.5564

■ 32.1669, 38.3508,
85.0647

■ 35.0585, 42.0497,
85.6262

■ 38.6998, 46.2516,
86.2454

■ 43.1615, 50.9946,
86.9257

■ 48.5056, 56.3122,
87.6704

■ 54.7880, 62.2350,
88.4825

■ 62.0595, 68.7907,
89.3647

■ 70.3672, 76.0052,
90.3193

Harmonies

Analogous

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



23.0268, 32.2505, 70.0580



28.2375, 32.2505, 84.0936



34.9005, 32.2505, 81.9379

Triad

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



28.2375, 32.2505, 84.0936



44.2934, 32.2505, 24.7125



22.0824, 32.2505, 16.1953

Complementary

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



28.2375, 32.2505, 84.0936



36.9794, 22.6064, 2.4162

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.



26.7651, 32.2505, 10.7343



28.2375, 32.2505, 84.0936



39.8010, 32.2505, 14.2938

Square

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



28.2375, 32.2505, 84.0936



44.8378, 32.2505, 42.7141



33.2027, 32.2505, 10.1924



19.8283, 32.2505, 28.4758

Rectangle

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



28.2375, 32.2505, 84.0936



39.2817, 32.2505, 71.7402



33.2027, 32.2505, 10.1924



23.3908, 32.2505, 13.7232

Sweetspot

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



28.2387, 32.2515, 84.0944



65.1937, 74.0815, 105.4708



31.1288, 60.4448, 15.9614



13.2469, 15.1983, 22.4853



0.0000, 0.0000, 0.0000



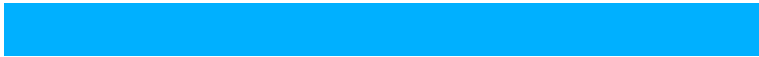
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2387, 32.2515, 84.0944



33.5955, 38.3111, 100.2318



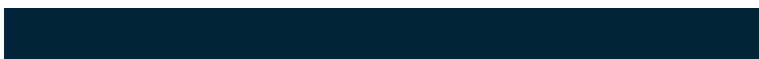
16.1678, 8.1097, 80.0708



15.1017, 16.2898, 19.2706



15.6834, 18.0139, 46.3934



1.3163, 1.5841, 3.6713

Inverse Universe

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



41.2041, 20.4788, 36.4322



49.0867, 24.3987, 43.2500



52.7502, 54.1481, 7.6732



15.5049, 15.2298, 17.9440



22.7716, 11.3113, 20.3962



1.8309, 0.9053, 1.8270

Previews

White Background



This preview shows how the XYZ color 28.2375, 32.2505, 84.0936 looks on a white background.

Color Contrast Check

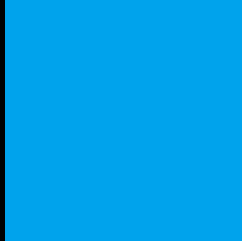
Large Text (above 18pt) WCAG AA × Fail

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 28.2375, 32.2505, 84.0936 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

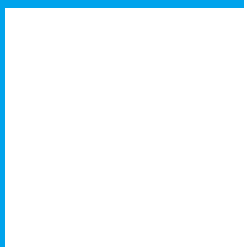
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2375, 32.2505, 84.0936

Background



This preview shows how black text looks on a background with the XYZ color 28.2375, 32.2505, 84.0936.



This preview shows how white text looks on a background with the XYZ color 28.2375, 32.2505,

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

28.2375, 32.2505, 84.0936

Protanopia

33.3990, 31.8381, 75.6192

Deuteranopia

33.0082, 32.1437, 85.3535



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

28.2375, 32.2505, 84.0936

Protanomaly

29.2575, 30.8492, 78.5412

Deuteranomaly

29.7973, 31.4936, 84.6291

Tritanomaly

24.4794, 31.9017, 60.7446

Monochromacy



Original Color

28.2375, 32.2505, 84.0936

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9312, 22.4770, 38.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2375, 32.2505, 84.0936 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, 163, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 236)  
}
```

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, 163, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 236) }
```

Border

The CSS property to change the border of an element to XYZ 28.2375, 32.2505, 84.0936 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, 163, 236) }
```


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

```
.border{ border-color:rgb(0, 163, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2375, 32.2505, 84.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 236) }
```

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

```
.background{ background-color: rgb(0, 163,  
236) }
```

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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