

Converting Colors

XYZ(9.6350, 23.0525, 81.5855)

Have a look what the booklet for
XYZ(9.6350, 23.0525, 81.5855)
contains.

XYZ(28.1267, 32.4914, 82.6309)	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(28.1267, 32.4914,
82.6309)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4EA
RGB	0, 164, 234
RGB Percent	0%, 64%, 92%
CMY	0.9998, 0.3569, 0.0823
CMYK	1.00, 0.30, 0.00, 0.08
HSL	198°, 100%, 46%
HSV	198°, 100%, 92%
XYZ	28.1267, 32.4914, 82.6309
YIQ	122.9440, -120.2140, -12.9980

Conversions

Conversions Part 2

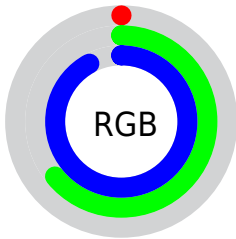
Format	Color
RYB	0, 96, 234
Decimal	42218
CIELab	63.75, -10.54, -44.93
CIELCh	64, 46.153, 256.795
Yxy	32.4914, 0.1963, 0.2268
Android (android.graphics.Color)	4278232298 (0xFF00A4EA)
YUV	122.9440, 54.7506, -107.8219
Hunter-Lab	57.0012, -11.6731, -46.0479

Details

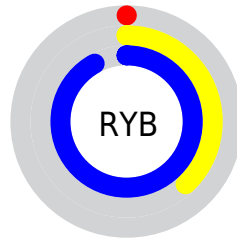
The XYZ color **28.1267, 32.4914, 82.6309** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.1262, 21.8805, 2.3210**, and the grayscale version is **18.6683, 19.6406, 21.3886**.

A 20% lighter version of the original color is **49.4449, 61.0088, 103.7776**, and **13.9410, 15.0246, 44.2847** is the 20% darker color. If you saturate the color by 10%, you get **28.1239, 32.4856, 82.6306**, and if you desaturate by 10%, it is **29.7789, 35.2553, 83.0780**.

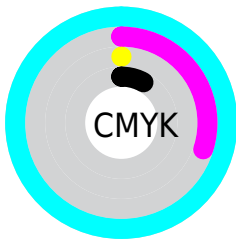
Distribution



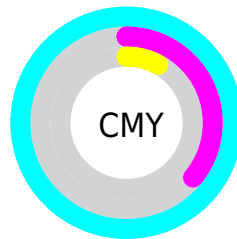
- Red (0%)
- Green (64%)
- Blue (92%)



- Red (0%)
- Yellow (38%)
- Blue (92%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1267, 32.4914, 82.6309 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 28.1267, 32.4914, 82.6309 by changing the saturation by 10% instead.

■ 28.1267, 32.4914,
82.6309

■ 28.1267, 32.4914,
82.6309

285.1410,
313.3517, 523.6943

■ 18.5621, 21.7371,
61.3469

■ 56.0939, 63.5807,
138.9030

■ 11.4564, 13.6639,
44.0728

■ 75.2272, 84.6844,
174.7281

■ 6.4443, 7.8873,
30.3901

■ 98.2809, 110.0068,
216.2374

■ 3.1603, 4.0229,
19.8803

■ 125.6201,
139.9322, 263.8493

■ 1.2391, 1.6864,
12.1249

■ 157.6104,
174.8450, 317.9824

■ 0.1369, 0.4148,
6.7052

194.6171,

■ 0.0000, 0.0000,

215.1295, 379.0553

3.2028

237.0055,
261.1703, 447.4864

■ 0.0000, 0.0000,
1.1991

■ 0.0000, 0.0000,
0.0000

■ 28.1267, 32.4914,
82.6309

■ 28.1267, 32.4914,
82.6309

■ 28.1239, 32.4856,
82.6306

■ 29.7789, 35.2553,
83.0780

■ 31.9387, 38.3844,
83.5681

■ 34.7464, 41.9532,
84.1090

■ 38.2843, 46.0054,
84.7047

■ 42.6215, 50.5783,
85.3588

■ 47.8187, 55.7046,
86.0743

■ 53.9303, 61.4137,
86.8542

■ 61.0062, 67.7329,
87.7009

■ 69.0922, 74.6871,
88.6171

Harmonies

Analogous

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



23.1247, 32.4914, 68.2175



28.1267, 32.4914, 82.6309



34.6177, 32.4914, 81.6183

Triad

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



28.1267, 32.4914, 82.6309



44.3874, 32.4914, 26.0498



22.6733, 32.4914, 16.1632

Complementary

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



28.1267, 32.4914, 82.6309



36.1262, 21.8805, 2.3210

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.



27.4254, 32.4914, 11.0575



28.1267, 32.4914, 82.6309



40.2052, 32.4914, 15.2451

Square

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



28.1267, 32.4914, 82.6309



44.6448, 32.4914, 44.1559



33.8118, 32.4914, 10.7936



20.2856, 32.4914, 27.8474

Rectangle

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



28.1267, 32.4914, 82.6309



38.9480, 32.4914, 72.2620



33.8118, 32.4914, 10.7936



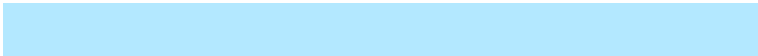
24.0145, 32.4914, 13.8304

Sweetspot

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



28.1279, 32.4925, 82.6317



65.4126, 74.5193, 105.5438



30.4174, 59.2439, 15.0396



13.2994, 15.3032, 22.5028



0.0000, 0.0000, 0.0000



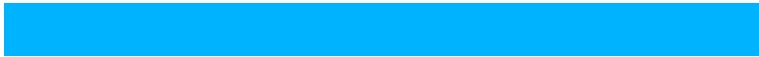
20.3446, 21.4041, 23.3091

Same Dimension

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



28.1279, 32.4925, 82.6317



34.1099, 39.3398, 100.4033



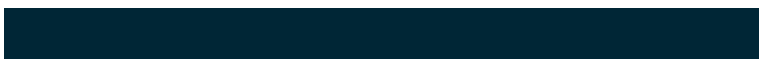
16.0250, 8.2866, 78.5974



15.1151, 16.3167, 19.2750



15.9191, 18.4851, 46.4719



1.3334, 1.6183, 3.6770

Inverse Universe

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



40.6336, 20.1743, 36.8751



49.3463, 24.5025, 44.6172



50.9306, 51.4893, 7.2558



15.5117, 15.2325, 17.9797



22.8905, 11.3589, 21.0225



1.8395, 0.9088, 1.8724

Previews

White Background



This preview shows how the XYZ color 28.1267, 32.4914, 82.6309 looks on a white background.

Color Contrast Check

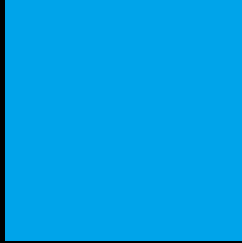
Large Text (above 18pt) WCAG AA × Fail

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 28.1267, 32.4914, 82.6309 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 28.1267, 32.4914, 82.6309

Background



This preview shows how black text looks on a background with the XYZ color 28.1267, 32.4914, 82.6309.

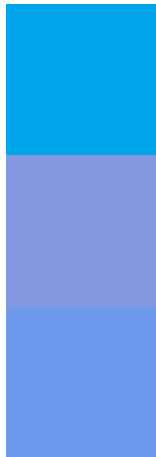


This preview shows how white text looks on a background with the XYZ color 28.1267, 32.4914,

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

28.1267, 32.4914, 82.6309

Protanopia

33.5918, 32.2068, 74.2581

Deuteranopia

33.2328, 32.2764, 84.5992



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

28.1267, 32.4914, 82.6309



Protanomaly

29.3209, 31.1620, 77.1425



Deuteranomaly

29.7958, 31.5097, 83.8684



Tritanomaly

24.6633, 32.2695, 60.8059

Monochromacy



Original Color

28.1267, 32.4914, 82.6309



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

18.8412, 22.4410, 37.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1267, 32.4914, 82.6309 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 234) }
```

Border

The CSS property to change the border of an element to XYZ 28.1267, 32.4914, 82.6309 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, 234) }
```


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

```
.border{ border-color:rgb(0, 164, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1267, 32.4914, 82.6309 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, 234) }
```

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

```
.background{ background-color: rgb(0, 164,  
234) }
```

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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