

Converting Colors

XYZ(27.8620, 32.4079, 81.1680)

Have a look what the booklet for
XYZ(27.8620, 32.4079, 81.1680)
contains.

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Color

**XYZ(27.8409, 32.3771,
81.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4E8
RGB	0, 164, 232
RGB Percent	0%, 64%, 91%
CMY	0.9998, 0.3569, 0.0902
CMYK	1.00, 0.29, 0.00, 0.09
HSL	198°, 100%, 46%
HSV	198°, 100%, 91%
XYZ	27.8409, 32.3771, 81.1260
YIQ	122.7160, -119.5720, -13.6200

Conversions

Conversions Part 2

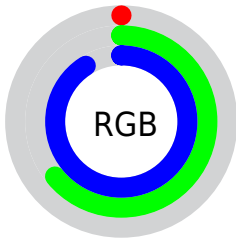
Format	Color
RYB	0, 96, 232
Decimal	42216
CIELab	63.65, -11.27, -43.98
CIElCh	64, 45.402, 255.625
Yxy	32.3771, 0.1970, 0.2291
Android (android.graphics.Color)	4278232296 (0xFF00A4E8)
YUV	122.7160, 53.8770, -107.6219
Hunter-Lab	56.9009, -12.2387, -44.7017

Details

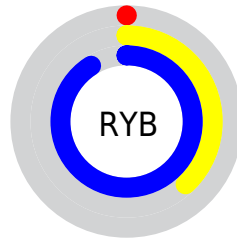
The XYZ color **27.8409, 32.3771, 81.1260** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.3498, 21.2971, 2.2492**, and the grayscale version is **18.5959, 19.5643, 21.3055**.

A 20% lighter version of the original color is **49.4449, 61.0088, 103.7776**, and **13.6306, 14.7229, 43.1977** is the 20% darker color. If you saturate the color by 10%, you get **27.8384, 32.3719, 81.1258**, and if you desaturate by 10%, it is **29.4507, 35.0630, 81.5603**.

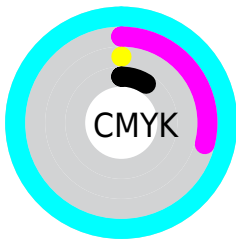
Distribution



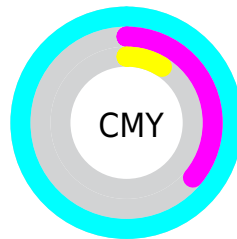
- Red (0%)
- Green (64%)
- Blue (91%)



- Red (0%)
- Yellow (38%)
- Blue (91%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8409, 32.3771, 81.1260 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 27.8409, 32.3771, 81.1260 by changing the saturation by 10% instead.

■ 27.8409, 32.3771,
81.1260

■ 27.8409, 32.3771,
81.1260

283.7998,
312.8335, 518.5260

■ 18.3456, 21.6497,
60.1138

■ 55.6408, 63.4018,
136.7733

■ 11.2996, 13.5997,
43.0844

■ 74.6760, 84.4679,
172.2455

■ 6.3375, 7.8428,
29.6195

■ 97.6220, 109.7490,
213.3748

■ 3.0940, 3.9945,
19.3004

■ 124.8440,
139.6295, 260.5796

■ 1.2036, 1.6705,
11.7085

■ 156.7074,
174.4938, 314.2787

■ 0.1092, 0.4044,
6.4254

193.5776,

■ 0.0000, 0.0000,

214.7263, 374.8903

3.0325

235.8200,
260.7114, 442.8333

■ 0.0000, 0.0000,
1.1112

■ 0.0000, 0.0000,
0.0000

■ 27.8409, 32.3771,
81.1260

■ 27.8409, 32.3771,
81.1260

■ 27.8384, 32.3719,
81.1258

■ 29.4507, 35.0630,
81.5603

■ 31.5549, 38.1015,
82.0359

■ 34.2918, 41.5657,
82.5603

■ 37.7416, 45.4984,
83.1375

■ 41.9720, 49.9358,
83.7711

■ 47.0423, 54.9098,
84.4639

■ 53.0058, 60.4492,
85.2188

■ 59.9112, 66.5805,
86.0383

■ 67.8035, 73.3281,
86.9248

Harmonies

Analogous

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



23.0008, 32.3771, 66.6146



27.8409, 32.3771, 81.1260



34.1801, 32.3771, 80.7826

Triad

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



27.8409, 32.3771, 81.1260



44.0914, 32.3771, 26.6499



22.8461, 32.3771, 16.0189

Complementary

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



27.8409, 32.3771, 81.1260



35.3498, 21.2971, 2.2492

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.



27.6011, 32.3771, 11.1642



27.8409, 32.3771, 81.1260



40.1253, 32.3771, 15.7024

Square

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



27.8409, 32.3771, 81.1260



44.1790, 32.3771, 44.6656



33.9050, 32.3771, 11.0728



20.3977, 32.3771, 27.2656

Rectangle

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



27.8409, 32.3771, 81.1260



38.4462, 32.3771, 71.9945



33.9050, 32.3771, 11.0728



24.1962, 32.3771, 13.7861

Sweetspot

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



27.8421, 32.3782, 81.1268



65.5431, 74.7803, 105.5873



29.8343, 58.1048, 14.7623



13.3307, 15.3658, 22.5132



0.0000, 0.0000, 0.0000



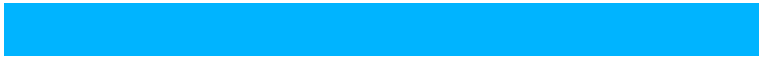
20.3446, 21.4041, 23.3091

Same Dimension

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



27.8421, 32.3782, 81.1268



34.4201, 39.9601, 100.5067



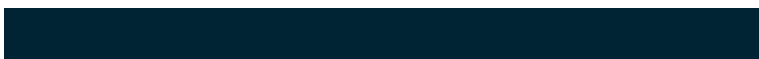
15.7203, 8.1345, 77.0862



14.4319, 15.5852, 18.3919



15.5687, 18.1995, 45.0755



1.2299, 1.5037, 3.3574

Inverse Universe

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



39.9806, 19.8376, 36.8446



49.5029, 24.5651, 45.4416



49.9554, 50.5082, 7.1177



14.8056, 14.5394, 17.1766



22.2519, 11.0350, 20.7531



1.6844, 0.8315, 1.7446

Previews

White Background



This preview shows how the XYZ color 27.8409, 32.3771, 81.1260 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 27.8409, 32.3771, 81.1260 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 27.8409, 32.3771, 81.1260

Background



This preview shows how black text looks on a background with the XYZ color 27.8409, 32.3771, 81.1260.



This preview shows how white text looks on a background with the XYZ color 27.8409, 32.3771,

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

27.8409, 32.3771, 81.1260

Protanopia

33.4778, 32.1790, 72.8533

Deuteranopia

33.1967, 32.2913, 83.0805



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

27.8409, 32.3771, 81.1260

Protanomaly

29.0464, 31.0522, 75.6969

Deuteranomaly

29.5807, 31.4322, 82.3498

Tritanomaly

24.5452, 32.2223, 60.1842

Monochromacy



Original Color

27.8409, 32.3771, 81.1260

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 27.8409, 32.3771, 81.1260 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 232) }
```

Border

The CSS property to change the border of an element to XYZ 27.8409, 32.3771, 81.1260 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, 232) }
```


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

```
.border{ border-color:rgb(0, 164, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8409, 32.3771, 81.1260 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, 232) }
```

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

```
.background{ background-color: rgb(0, 164,  
232) }
```

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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