

Converting Colors

XYZ(26.8891, 29.2850, 84.4721)

Have a look what the booklet for
XYZ(26.8891, 29.2850, 84.4721)
contains.

XYZ(26.8417, 29.2256, 84.3472)	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(26.8417, 29.2256,
84.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	009AED
RGB	0, 154, 237
RGB Percent	0%, 60%, 93%
CMY	0.9997, 0.3961, 0.0706
CMYK	1.00, 0.35, 0.00, 0.07
HSL	201°, 100%, 46%
HSV	201°, 100%, 93%
XYZ	26.8417, 29.2256, 84.3472
YIQ	117.4160, -118.4270, -6.8350

Conversions

Conversions Part 2

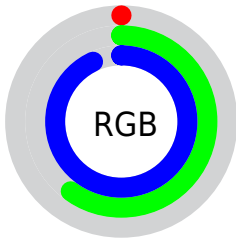
Format	Color
RYB	0, 93, 237
Decimal	39661
CIELab	60.98, -3.77, -50.96
CIELCh	61, 51.097, 265.768
Yxy	29.2256, 0.1912, 0.2081
Android (android.graphics.Color)	4278229741 (0xFF009AED)
YUV	117.4160, 58.9549, -102.9738
Hunter-Lab	54.0607, -5.9791, -54.6636

Details

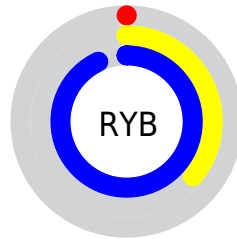
The XYZ color **26.8417, 29.2256, 84.3472** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.0243, 24.2019, 2.6693**, and the grayscale version is **16.8933, 17.7731, 19.3549**.

A 20% lighter version of the original color is **46.7902, 55.5199, 102.8580**, and **13.1907, 13.0367, 45.5372** is the 20% darker color. If you saturate the color by 10%, you get **26.8380, 29.2180, 84.3466**, and if you desaturate by 10%, it is **28.6313, 32.2536, 84.8380**.

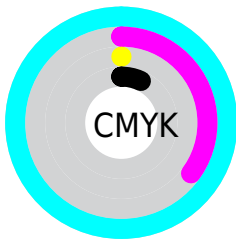
Distribution



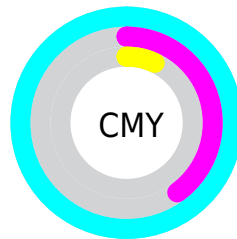
- Red (0%)
- Green (60%)
- Blue (93%)



- Red (0%)
- Yellow (36%)
- Blue (93%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8417, 29.2256, 84.3472 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 26.8417, 29.2256, 84.3472 by changing the saturation by 10% instead.

■ 26.8417, 29.2256,
84.3472

■ 26.8417, 29.2256,
84.3472

279.0714,
298.2779, 529.5536

■ 17.5903, 19.2515,
62.7551

■ 54.0514, 58.4353,
141.3268

■ 10.7542, 11.8522,
45.2034

■ 72.7405, 78.4398,
177.5514

■ 5.9679, 6.6431,
31.2735

■ 95.3062, 102.5565,
219.4905

■ 2.8660, 3.2399,
20.5470

■ 122.1139,
131.1699, 267.5628

■ 1.0833, 1.2582,
12.6053

■ 153.5289,
164.6644, 322.1867

■ 0.0111, 0.1085,
7.0298

189.9165,

■ 0.0000, 0.0000,

203.4242, 383.7807

3.4020

231.6423,
247.8340, 452.7636

■ 0.0000, 0.0000,
1.3034

■ 0.0000, 0.0000,
0.0646

■ 26.8417, 29.2256,
84.3472

■ 26.8417, 29.2256,
84.3472

■ 26.8380, 29.2180,
84.3466

■ 28.6313, 32.2536,
84.8380

■ 30.9688, 35.7072,
85.3814

■ 33.9989, 39.6640,
85.9854

■ 37.8071, 44.1706,
86.6546

■ 42.4653, 49.2666,
87.3927

■ 48.0370, 54.9873,
88.2032

■ 54.5788, 61.3642,
89.0893

■ 62.1428, 68.4266,
90.0538

■ 70.7770, 76.2014,
91.0994

Harmonies

Analogous

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



21.1662, 29.2256, 72.9051



26.8417, 29.2256, 84.3472



33.7386, 29.2256, 77.7212

Triad

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



26.8417, 29.2256, 84.3472



41.0118, 29.2256, 18.3693



18.4617, 29.2256, 15.3010

Complementary

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



26.8417, 29.2256, 84.3472



38.0243, 24.2019, 2.6693

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.



22.5644, 29.2256, 8.8727



26.8417, 29.2256, 84.3472



35.6407, 29.2256, 10.0814

Square

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



26.8417, 29.2256, 84.3472



42.6421, 29.2256, 34.6119



28.7359, 29.2256, 7.4405



16.8449, 29.2256, 29.1857

Rectangle

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



26.8417, 29.2256, 84.3472



38.0250, 29.2256, 64.9606



28.7359, 29.2256, 7.4405



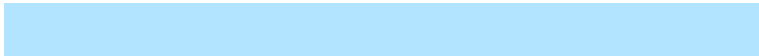
19.5603, 29.2256, 12.4529

Sweetspot

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



26.8429, 29.2265, 84.3480



64.3238, 72.3418, 105.1809



31.8465, 61.1938, 18.3158



13.0389, 14.7822, 22.4160



0.0000, 0.0000, 0.0000



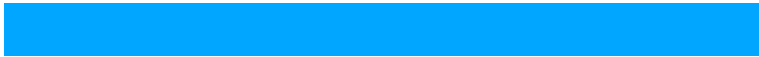
20.3446, 21.4041, 23.3091

Same Dimension

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



26.8429, 29.2265, 84.3480



31.6264, 34.3729, 99.5755



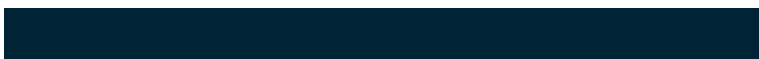
15.9062, 7.3531, 80.7024



15.0479, 16.1822, 19.2526



14.7801, 16.2072, 46.0923



1.2502, 1.4519, 3.6492

Inverse Universe

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



40.7589, 20.3393, 32.3500



48.0928, 24.0011, 38.0161



55.9201, 59.9935, 8.6346



15.4777, 15.2189, 17.8010



22.3156, 11.1289, 17.9952



1.7976, 0.8920, 1.6513

Previews

White Background



This preview shows how the XYZ color 26.8417, 29.2256, 84.3472 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8417, 29.2256, 84.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

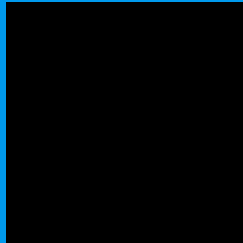
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

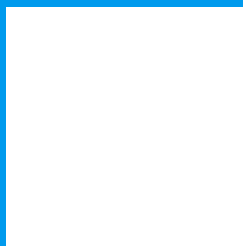
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.8417, 29.2256, 84.3472

Background



This preview shows how black text looks on a background with the XYZ color 26.8417, 29.2256, 84.3472.



This preview shows how white text looks on a background with the XYZ color 26.8417, 29.2256,

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

26.8417, 29.2256, 84.3472

Protanopia

30.8963, 28.8912, 77.3469

Deuteranopia

30.1335, 29.2233, 85.7138



Tritanopia

20.7372, 29.2504, 44.5973

Trichromacy



Original Color

26.8417, 29.2256, 84.3472



Protanomaly

27.6052, 28.0534, 79.5612



Deuteranomaly

28.0263, 28.8556, 84.9815



Tritanomaly

22.6488, 29.1728, 57.2605

Monochromacy



Original Color

26.8417, 29.2256, 84.3472



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

17.2397, 19.9943, 36.6689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8417, 29.2256, 84.3472 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, 154, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 237)  
}
```

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, 154, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 237) }
```

Border

The CSS property to change the border of an element to XYZ 26.8417, 29.2256, 84.3472 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, 154, 237) }
```


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

```
.border{ border-color:rgb(0, 154, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8417, 29.2256, 84.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 237) }
```

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

```
.background{ background-color: rgb(0, 154,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor