

Converting Colors

XYZ(19.7953, 24.3878, 84.4515)

Have a look what the booklet for
XYZ(19.7953, 24.3878, 84.4515)
contains.

XYZ(26.1801, 27.6679, 84.8495)	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(26.1801, 27.6679,
84.8495)**

Conversions

Conversions Part 1

Format	Color
Hex	0095EE
RGB	0, 149, 238
RGB Percent	0%, 58%, 93%
CMY	0.9997, 0.4157, 0.0667
CMYK	1.00, 0.37, 0.00, 0.07
HSL	202°, 100%, 47%
HSV	202°, 100%, 93%
XYZ	26.1801, 27.6679, 84.8495
YIQ	114.5950, -117.3730, -3.9090

Conversions

Conversions Part 2

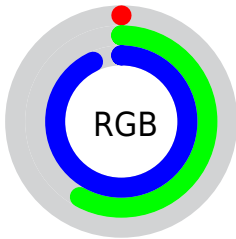
Format	Color
R _Y B	0, 92, 238
Decimal	38382
CIE Lab	59.59, -0.49, -53.72
CIE LCh	60, 53.725, 269.482
Yxy	27.6679, 0.1888, 0.1995
Android (android.graphics.Color)	4278228462 (0xFF0095EE)
YUV	114.5950, 60.8387, -100.4998
Hunter-Lab	52.6003, -3.2079, -58.8205

Details

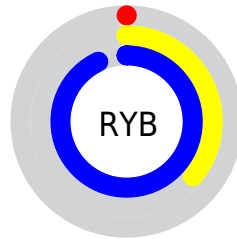
The XYZ color **26.1801, 27.6679, 84.8495** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.8389, 25.3341, 2.8450**, and the grayscale version is **16.0277, 16.8623, 18.3631**.

A 20% lighter version of the original color is **45.5903, 53.1200, 102.4581**, and **12.8023, 12.2599, 45.4077** is the 20% darker color. If you saturate the color by 10%, you get **26.1761, 27.6598, 84.8488**, and if you desaturate by 10%, it is **28.0168, 30.7866, 85.3553**.

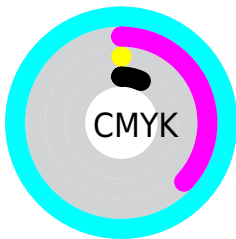
Distribution



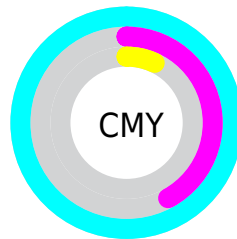
- Red (0%)
- Green (58%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1801, 27.6679, 84.8495 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 26.1801, 27.6679, 84.8495 by changing the saturation by 10% instead.

■ 26.1801, 27.6679,
84.8495

■ 26.1801, 27.6679,
84.8495

275.9056,
290.8766, 531.2615

■ 17.0918, 18.0755,
63.1676

■ 52.9946, 55.9538,
142.0352

■ 10.3957, 11.0042,
45.5349

■ 71.4515, 75.4160,
178.3760

■ 5.7264, 6.0697,
31.5330

■ 93.7620, 98.9370,
220.4403

■ 2.7185, 2.8875,
20.7432

■ 120.2914,
126.9011, 268.6465

■ 1.0067, 1.0733,
12.7470

■ 151.4051,
159.6927, 323.4132

■ 0.0000, 0.0000,
7.1259

187.4685,

■ 0.0000, 0.0000,

197.6962, 385.1589

3.4613

228.8468,
241.2961, 454.3022

■ 0.0000, 0.0000,
1.3347

■ 0.0000, 0.0000,
0.0900

■ 26.1801, 27.6679,
84.8495

■ 26.1801, 27.6679,
84.8495

■ 26.1761, 27.6598,
84.8488

■ 28.0168, 30.7866,
85.3553

■ 30.4195, 34.3600,
85.9184

■ 33.5343, 38.4672,
86.5470

■ 37.4482, 43.1562,
87.2458

■ 42.2342, 48.4678,
88.0188

■ 47.9568, 54.4383,
88.8696

■ 54.6737, 61.1004,
89.8015

■ 62.4377, 68.4843,
90.8175

■ 71.2978, 76.6180,
91.9205

Harmonies

Analogous

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



20.2291, 27.6679, 74.9695



26.1801, 27.6679, 84.8495



33.2336, 27.6679, 75.5896

Triad

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



26.1801, 27.6679, 84.8495



39.3255, 27.6679, 15.2580



16.6071, 27.6679, 14.8904

Complementary

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



26.1801, 27.6679, 84.8495



38.8389, 25.3341, 2.8450

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.



20.4006, 27.6679, 7.9395



26.1801, 27.6679, 84.8495



33.4723, 27.6679, 8.0787

Square

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



26.1801, 27.6679, 84.8495



41.5690, 27.6679, 30.4636



26.4153, 27.6679, 6.1174



15.3160, 27.6679, 29.7901

Rectangle

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



26.1801, 27.6679, 84.8495



37.4786, 27.6679, 61.3928



26.4153, 27.6679, 6.1174



17.5958, 27.6679, 11.8243

Sweetspot

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



26.1812, 27.6687, 84.8502



63.8260, 71.3462, 105.0150



32.3088, 61.8432, 19.3180



12.9201, 14.5447, 22.3764



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.



26.1812, 27.6687, 84.8502



30.5541, 32.2282, 99.2180



15.9447, 7.1956, 81.4380



15.7217, 16.8774, 20.1507



14.7317, 15.6877, 47.3795



1.3207, 1.4954, 3.9732

Inverse Universe

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



40.6858, 20.3488, 30.2175



47.5515, 23.7846, 35.1659



57.3986, 62.4535, 9.0316



16.1889, 15.9253, 18.5512



22.7615, 11.3770, 17.1926



1.9416, 0.9657, 1.6832

Previews

White Background



This preview shows how the XYZ color 26.1801, 27.6679, 84.8495 looks on a white background.

Color Contrast Check

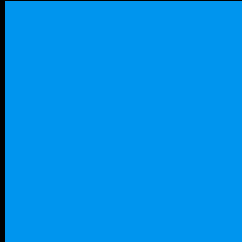
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1801, 27.6679, 84.8495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

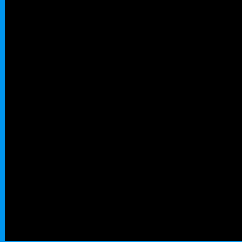
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

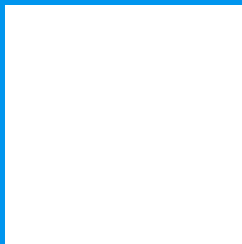
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.1801, 27.6679, 84.8495

Background



This preview shows how black text looks on a background with the XYZ color 26.1801, 27.6679, 84.8495.

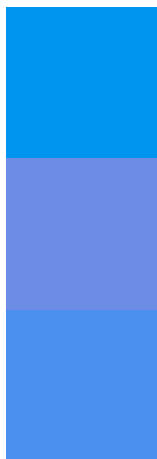


This preview shows how white text looks on a background with the XYZ color 26.1801, 27.6679,

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

26.1801, 27.6679, 84.8495

Protanopia

29.7053, 27.6015, 77.8907

Deuteranopia

28.5337, 27.7150, 85.5070



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

26.1801, 27.6679, 84.8495

Protanomaly

26.8422, 26.7363, 80.0898

Deuteranomaly

27.0778, 27.4181, 85.5264

Tritanomaly

21.5717, 27.3828, 55.7782

Monochromacy



Original Color

26.1801, 27.6679, 84.8495

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6822, 19.1333, 36.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.1801, 27.6679, 84.8495 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, 149, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 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, 149, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 238) }
```

Border

The CSS property to change the border of an element to XYZ 26.1801, 27.6679, 84.8495 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, 149, 238) }
```


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

```
.border{ border-color:rgb(0, 149, 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, 149, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 26.1801, 27.6679, 84.8495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 238) }
```

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

```
.background{ background-color: rgb(0, 149,  
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](#).

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