

Converting Colors

XYZ(27.5504, 30.6079, 84.6916)

Have a look what the booklet for
XYZ(27.5504, 30.6079, 84.6916)
contains.

XYZ(27.5129, 30.5681, 84.5709)	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(27.5129, 30.5681,
84.5709)**

Conversions

Conversions Part 1

Format	Color
Hex	009EED
RGB	0, 158, 237
RGB Percent	0%, 62%, 93%
CMY	0.9997, 0.3804, 0.0706
CMYK	1.00, 0.33, 0.00, 0.07
HSL	200°, 100%, 46%
HSV	200°, 100%, 93%
XYZ	27.5129, 30.5681, 84.5709
YIQ	119.7640, -119.5270, -8.9270

Conversions

Conversions Part 2

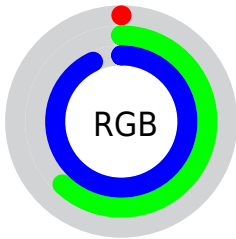
Format	Color
RYB	0, 95, 237
Decimal	40685
CIELab	62.14, -6.06, -49.12
CIELCh	62, 49.491, 262.962
Yxy	30.5681, 0.1929, 0.2143
Android (android.graphics.Color)	4278230765 (0xFF009EED)
YUV	119.7640, 57.7973, -105.0330
Hunter-Lab	55.2884, -7.9287, -51.9899

Details

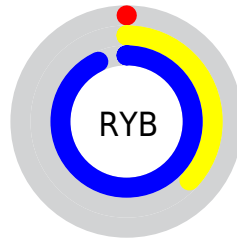
The XYZ color **27.5129, 30.5681, 84.5709** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **37.7263, 23.6061, 2.5699**, and the grayscale version is **17.6327, 18.5510, 20.2020**.

A 20% lighter version of the original color is **47.7778, 57.4951, 103.1873**, and **13.5982, 13.8516, 45.6730** is the 20% darker color. If you saturate the color by 10%, you get **27.5096, 30.5613, 84.5704**, and if you desaturate by 10%, it is **29.2760, 33.5431, 85.0529**.

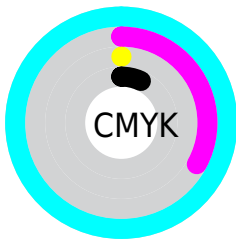
Distribution



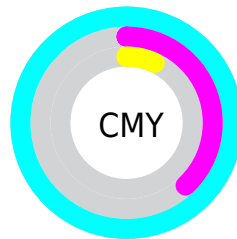
- Red (0%)
- Green (62%)
- Blue (93%)



- Red (0%)
- Yellow (37%)
- Blue (93%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5129, 30.5681, 84.5709 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 27.5129, 30.5681, 84.5709 by changing the saturation by 10% instead.

■ 27.5129, 30.5681,
84.5709

■ 27.5129, 30.5681,
84.5709

282.2545,
304.5436, 530.3146

■ 18.0974, 20.2702,
62.9388

■ 55.1199, 60.5594,
141.6423

■ 11.1200, 12.5916,
45.3510

■ 74.0421, 81.0217,
177.9187

■ 6.2155, 7.1479,
31.3890

■ 96.8639, 105.6408,
219.9136

■ 3.0185, 3.5548,
20.6343

■ 123.9507,
134.8012, 268.0456

■ 1.1635, 1.4278,
12.6683

■ 155.6678,
168.8873, 322.7331

■ 0.0773, 0.2371,
7.0725

192.3805,

■ 0.0000, 0.0000,

208.2834, 384.3948

3.4284

234.4543,
253.3741, 453.4491

■ 0.0000, 0.0000,
1.3173

■ 0.0000, 0.0000,
0.0759

■ 27.5129, 30.5681,
84.5709

■ 27.5129, 30.5681,
84.5709

■ 27.5096, 30.5613,
84.5704

■ 29.2760, 33.5431,
85.0529

■ 31.5785, 36.9270,
85.5847

■ 34.5650, 40.7966,
86.1742

■ 38.3206, 45.1983,
86.8259

■ 42.9171, 50.1711,
87.5434

■ 48.4176, 55.7498,
88.3303

■ 54.8787, 61.9654,
89.1895

■ 62.3521, 68.8468,
90.1239

■ 70.8856, 76.4206,
91.1360

Harmonies

Analogous

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



22.0023, 30.5681, 71.9867



27.5129, 30.5681, 84.5709



34.3424, 30.5681, 79.7676

Triad

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



27.5129, 30.5681, 84.5709



42.5140, 30.5681, 20.9268



19.9830, 30.5681, 15.7179

Complementary

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



27.5129, 30.5681, 84.5709



37.7263, 23.6061, 2.5699

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.



24.3386, 30.5681, 9.6458



27.5129, 30.5681, 84.5709



37.4714, 30.5681, 11.7508

Square

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



27.5129, 30.5681, 84.5709



43.7087, 30.5681, 37.9830



30.6517, 30.5681, 8.5393



18.1067, 30.5681, 28.9885

Rectangle

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



27.5129, 30.5681, 84.5709



38.6857, 30.5681, 67.9880



30.6517, 30.5681, 8.5393



21.1705, 30.5681, 13.0105

Sweetspot

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



27.5141, 30.5691, 84.5717



64.6810, 73.0562, 105.2999



31.6981, 61.1344, 17.5349



13.1242, 14.9530, 22.4444



0.0000, 0.0000, 0.0000



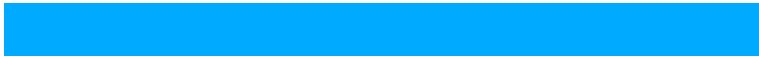
20.3446, 21.4041, 23.3091

Same Dimension

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



27.5141, 30.5691, 84.5717



32.4205, 35.9610, 99.8402



16.0309, 7.6026, 80.7439



15.0701, 16.2265, 19.2600



15.1447, 16.9363, 46.2138



1.2770, 1.5055, 3.6582

Inverse Universe

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



41.0977, 20.4747, 34.1343



48.4936, 24.1614, 40.1268



55.0083, 58.1700, 8.3306



15.4889, 15.2234, 17.8599



22.4996, 11.2025, 18.9642



1.8111, 0.8974, 1.7225

Previews

White Background



This preview shows how the XYZ color 27.5129, 30.5681, 84.5709 looks on a white background.

Color Contrast Check

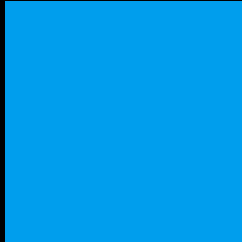
Large Text (above 18pt) WCAG AA × Fail

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 27.5129, 30.5681, 84.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

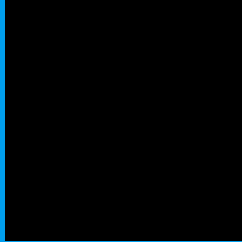
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

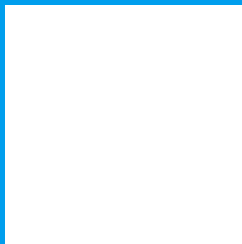
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5129, 30.5681, 84.5709

Background



This preview shows how black text looks on a background with the XYZ color 27.5129, 30.5681, 84.5709.

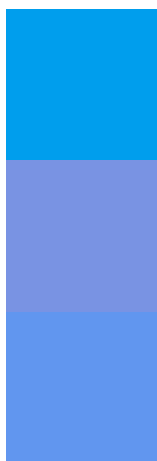


This preview shows how white text looks on a background with the XYZ color 27.5129, 30.5681,

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

27.5129, 30.5681, 84.5709

Protanopia

32.1840, 30.4784, 76.8597

Deuteranopia

31.4161, 30.5861, 85.9093



Tritanopia

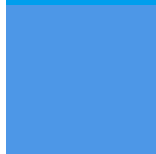
21.6721, 30.4868, 46.8618

Trichromacy



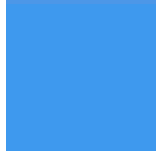
Original Color

27.5129, 30.5681, 84.5709



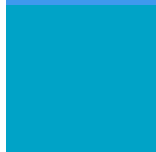
Protanomaly

28.5510, 29.4805, 79.7868



Deuteranomaly

28.8105, 29.9796, 85.1571



Tritanomaly

23.4060, 30.3179, 58.6511

Monochromacy



Original Color

27.5129, 30.5681, 84.5709



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

18.1164, 21.2310, 37.7935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5129, 30.5681, 84.5709 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, 158, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 237) }
```

Border

The CSS property to change the border of an element to XYZ 27.5129, 30.5681, 84.5709 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, 158, 237) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5129, 30.5681, 84.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 237) }
```

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

```
.background{ background-color: rgb(0, 158,  
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