

Converting Colors

XYZ(20.5616, 29.9233, 86.0061)

Have a look what the booklet for
XYZ(20.5616, 29.9233, 86.0061)
contains.

XYZ(29.7680, 34.6079, 86.7724)	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(29.7680, 34.6079,
86.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9EF
RGB	0, 169, 239
RGB Percent	0%, 66%, 94%
CMY	0.9997, 0.3372, 0.0627
CMYK	1.00, 0.29, 0.00, 0.06
HSL	198°, 100%, 47%
HSV	198°, 100%, 94%
XYZ	29.7680, 34.6079, 86.7724
YIQ	126.4490, -123.1940, -14.0580

Conversions

Conversions Part 2

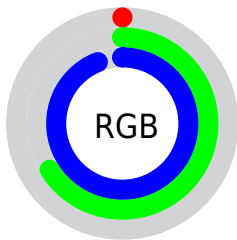
Format	Color
RYB	0, 99, 239
Decimal	43503
CIELab	65.44, -11.49, -45.01
CIELCh	65, 46.452, 255.677
Yxy	34.6079, 0.1969, 0.2290
Android (android.graphics.Color)	4278233583 (0xFF00A9EF)
YUV	126.4490, 55.4876, -110.8958
Hunter-Lab	58.8285, -12.6264, -46.2732

Details

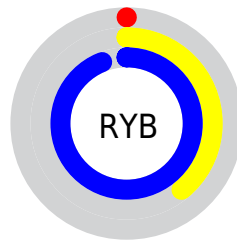
The XYZ color **29.7680, 34.6079, 86.7724** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **37.7920, 22.7404, 2.3995**, and the grayscale version is **19.8387, 20.8718, 22.7294**.

A 20% lighter version of the original color is **51.0123, 63.7825, 104.2304**, and **14.9085, 16.1415, 47.1296** is the 20% darker color. If you saturate the color by 10%, you get **29.7644, 34.6007, 86.7719**, and if you desaturate by 10%, it is **31.4822, 37.4780, 87.2368**.

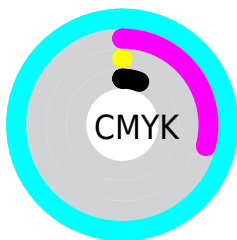
Distribution



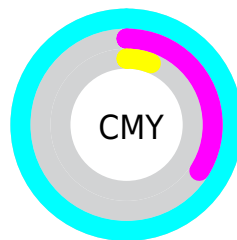
- Red (0%)
- Green (66%)
- Blue (94%)



- Red (0%)
- Yellow (39%)
- Blue (94%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7680, 34.6079, 86.7724 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 29.7680, 34.6079, 86.7724 by changing the saturation by 10% instead.

■ 29.7680, 34.6079,
86.7724

■ 29.7680, 34.6079,
86.7724

292.7508,
322.8342, 537.7715

■ 19.8098, 23.3610,
64.7483

■ 58.6842, 66.8779,
144.7429

■ 12.3643, 14.8603,
46.8070

■ 78.3729, 88.6698,
181.5265

■ 7.0662, 8.7214,
32.5298

■ 102.0359,
114.7454, 224.0669

■ 3.5503, 4.5599,
21.4984

■ 130.0383,
145.4893, 272.7828

■ 1.4510, 1.9914,
13.2940

■ 162.7457,
181.2857, 328.0926

■ 0.2921, 0.6025,
7.4982

200.5233,

■ 0.0000, 0.0000,

222.5190, 390.4150

3.6924

243.7366,
269.5737, 460.1684

■ 0.0000, 0.0000,
1.4582

■ 0.0000, 0.0000,
0.1865

■ 29.7680, 34.6079,
86.7724

■ 29.7680, 34.6079,
86.7724

■ 29.7644, 34.6007,
86.7719

■ 31.4822, 37.4780,
87.2368

■ 33.7277, 40.7267,
87.7455

■ 36.6508, 44.4313,
88.3065

■ 40.3381, 48.6381,
88.9241

■ 44.8624, 53.3860,
89.6021

■ 50.2876, 58.7094,
90.3437

■ 56.6710, 64.6393,
91.1518

■ 64.0648, 71.2041,
92.0293

■ 72.5176, 78.4299,
92.9785

Harmonies

Analogous

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



24.5876, 34.6079, 71.2682



29.7680, 34.6079, 86.7724



36.5500, 34.6079, 86.3740

Triad

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



29.7680, 34.6079, 86.7724



47.1358, 34.6079, 28.4531



24.4083, 34.6079, 17.1269

Complementary

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



29.7680, 34.6079, 86.7724



37.7920, 22.7404, 2.3995

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.



29.4899, 34.6079, 11.9266



29.7680, 34.6079, 86.7724



42.8870, 34.6079, 16.7600

Square

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



29.7680, 34.6079, 86.7724



47.2375, 34.6079, 47.7114



36.2310, 34.6079, 11.8207



21.7944, 34.6079, 29.1671

Rectangle

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



29.7680, 34.6079, 86.7724



41.1123, 34.6079, 76.9553



36.2310, 34.6079, 11.8207



25.8507, 34.6079, 14.7359

Sweetspot

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



29.7693, 34.6090, 86.7733



65.5474, 74.7889, 105.5887



31.9040, 62.1486, 15.7463



13.3317, 15.3678, 22.5136



0.0000, 0.0000, 0.0000



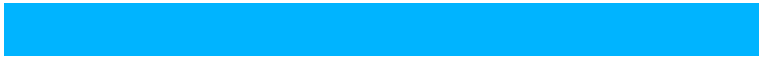
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7693, 34.6090, 86.7733



34.4303, 39.9806, 100.5101



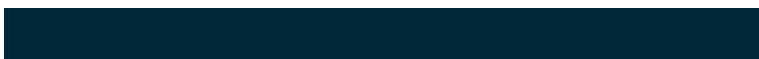
16.8019, 8.6743, 82.4508



15.8335, 17.1011, 20.1879



16.5673, 19.3588, 47.9913



1.4638, 1.7816, 4.0209

Inverse Universe

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



42.7593, 21.2171, 39.3785



49.5080, 24.5672, 45.4688



53.4171, 53.9907, 7.6079



16.2454, 15.9479, 18.8485



23.6880, 11.7476, 22.0714



2.0138, 0.9946, 2.0635

Previews

White Background



This preview shows how the XYZ color 29.7680, 34.6079, 86.7724 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 29.7680, 34.6079, 86.7724 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

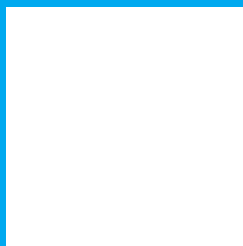
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7680, 34.6079, 86.7724

Background



This preview shows how black text looks on a background with the XYZ color 29.7680, 34.6079, 86.7724.

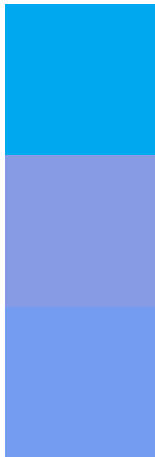


This preview shows how white text looks on a background with the XYZ color 29.7680, 34.6079,

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

29.7680, 34.6079, 86.7724

Protanopia

35.7166, 34.1950, 78.1166

Deuteranopia

35.2864, 34.2378, 88.7532



Tritanopia

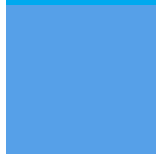
24.7106, 34.7248, 53.5443

Trichromacy



Original Color

29.7680, 34.6079, 86.7724



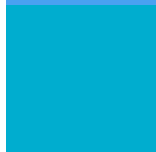
Protanomaly

30.9740, 32.9462, 81.0707



Deuteranomaly

31.4461, 33.2965, 87.9886



Tritanomaly

26.2061, 34.3921, 64.2886

Monochromacy



Original Color

29.7680, 34.6079, 86.7724



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.9563, 23.8415, 40.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7680, 34.6079, 86.7724 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, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 239)  
}
```

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, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 29.7680, 34.6079, 86.7724 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, 169, 239) }
```


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

```
.border{ border-color:rgb(0, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7680, 34.6079, 86.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 239) }
```

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

```
.background{ background-color: rgb(0, 169,  
239) }
```

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