

Converting Colors

XYZ(14.9651, 27.5499, 75.4264)

Have a look what the booklet for
XYZ(14.9651, 27.5499, 75.4264)
contains.

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Color

**XYZ(27.9653, 34.1857,
76.3587)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAE1
RGB	0, 170, 225
RGB Percent	0%, 67%, 88%
CMY	0.9998, 0.3333, 0.1176
CMYK	1.00, 0.24, 0.00, 0.12
HSL	195°, 100%, 44%
HSV	195°, 100%, 88%
XYZ	27.9653, 34.1857, 76.3587
YIQ	125.4400, -118.9750, -18.9350

Conversions

Conversions Part 2

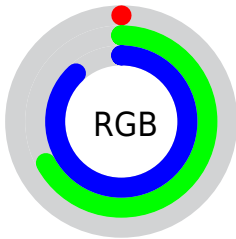
Format	Color
RYB	0, 97, 225
Decimal	43745
CIELab	65.11, -17.06, -37.85
CIELCh	65, 41.511, 245.741
Yxy	34.1857, 0.2019, 0.2468
Android (android.graphics.Color)	4278233825 (0xFF00AAE1)
YUV	125.4400, 49.0831, -110.0109
Hunter-Lab	58.4685, -16.9440, -36.5035

Details

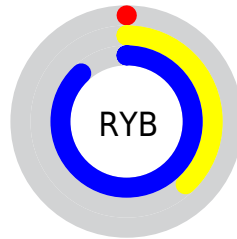
The XYZ color **27.9653, 34.1857, 76.3587** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.4206, 18.7452, 1.9110**, and the grayscale version is **19.5155, 20.5318, 22.3591**.

A 20% lighter version of the original color is **50.9191, 64.1346, 104.3032**, and **13.6399, 15.8214, 39.8711** is the 20% darker color. If you saturate the color by 10%, you get **27.9634, 34.1815, 76.3587**, and if you desaturate by 10%, it is **29.3621, 36.4694, 76.7266**.

Distribution



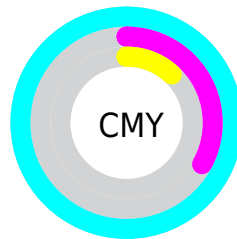
- Red (0%)
- Green (67%)
- Blue (88%)



- Red (0%)
- Yellow (38%)
- Blue (88%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9653, 34.1857, 76.3587 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 27.9653, 34.1857, 76.3587 by changing the saturation by 10% instead.

■ 27.9653, 34.1857,
76.3587

■ 27.9653, 34.1857,
76.3587

284.3842,
320.9593, 501.9542

■ 18.4398, 23.0363,
56.2183

■ 55.8381, 66.2223,
129.9986

■ 11.3678, 14.6203,
39.9728

■ 74.9161, 87.8784,
164.3351

■ 6.3839, 8.5533,
27.2037

■ 97.9090, 113.8054,
204.2407

■ 3.1228, 4.4510,
17.4925

■ 125.1821,
144.3878, 250.1339

■ 1.2190, 1.9289,
10.4206

■ 157.1008,
180.0100, 302.4334

■ 0.1213, 0.5657,
5.5695

194.0305,

■ 0.0000, 0.0000,

221.0564, 361.5575

2.5206

236.3365,
267.9114, 427.9250

■ 0.0000, 0.0000,
0.8510

■ 0.0000, 0.0000,
0.0000

■ 27.9653, 34.1857,
76.3587

■ 27.9653, 34.1857,
76.3587

■ 27.9634, 34.1815,
76.3587

■ 29.3621, 36.4694,
76.7266

■ 31.2001, 39.0450,
77.1268

■ 33.6093, 41.9805,
77.5665

■ 36.6636, 45.3150,
78.0491

■ 40.4255, 49.0812,
78.5778

■ 44.9494, 53.3080,
79.1552

■ 50.2844, 58.0214,
79.7838

■ 56.4755, 63.2453,
80.4658

■ 63.5639, 69.0015,
81.2033

Harmonies

Analogous

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



23.9745, 34.1857, 60.1354



27.9653, 34.1857, 76.3587



33.6640, 34.1857, 80.9033

Triad

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



27.9653, 34.1857, 76.3587



45.4226, 34.1857, 34.0043



26.1899, 34.1857, 16.2795

Complementary

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



27.9653, 34.1857, 76.3587



32.4206, 18.7452, 1.9110

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.



31.3485, 34.1857, 13.0234



27.9653, 34.1857, 76.3587



42.8212, 34.1857, 21.0237

Square

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



27.9653, 34.1857, 76.3587



44.2280, 34.1857, 52.5701



37.4836, 34.1857, 14.4429



23.0415, 34.1857, 25.1968

Rectangle

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



27.9653, 34.1857, 76.3587



37.7827, 34.1857, 75.7755



37.4836, 34.1857, 14.4429



27.7206, 34.1857, 14.6364

Sweetspot

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



27.9665, 34.1869, 76.3596



66.6058, 76.9057, 105.9415



27.5583, 54.1041, 12.3038



13.5859, 15.8762, 22.5983



0.0000, 0.0000, 0.0000



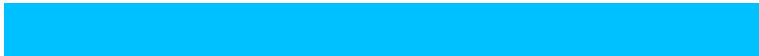
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9665, 34.1869, 76.3596



37.0434, 45.2067, 101.3811



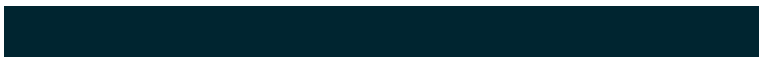
15.2094, 8.6726, 72.1072



13.8179, 14.9748, 17.5498



16.2096, 19.8887, 44.0329



1.1922, 1.5158, 3.0750

Inverse Universe

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



38.3081, 18.9112, 39.6624



50.8270, 25.0948, 52.4143



44.5098, 42.9236, 5.9407



14.1443, 13.8753, 16.5300



22.1220, 10.9158, 23.1062



1.5680, 0.7705, 1.7839

Previews

White Background



This preview shows how the XYZ color 27.9653, 34.1857, 76.3587 looks on a white background.

Color Contrast Check

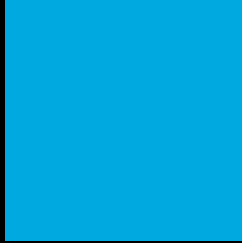
Large Text (above 18pt) WCAG AA × Fail

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 27.9653, 34.1857, 76.3587 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 27.9653, 34.1857, 76.3587

Background



This preview shows how black text looks on a background with the XYZ color 27.9653, 34.1857, 76.3587.

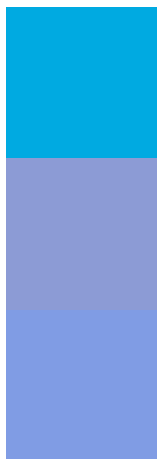


This preview shows how white text looks on a background with the XYZ color 27.9653, 34.1857,

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

27.9653, 34.1857, 76.3587

Protanopia

34.5468, 33.8222, 67.6583

Deuteranopia

34.7941, 33.9676, 78.1213



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

27.9653, 34.1857, 76.3587



Protanomaly

29.2150, 32.2752, 70.3356



Deuteranomaly

30.0033, 32.7851, 77.4199



Tritanomaly

25.4862, 34.1042, 60.4978

Monochromacy



Original Color

27.9653, 34.1857, 76.3587



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.2662, 23.3284, 37.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9653, 34.1857, 76.3587 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, 170, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 225)  
}
```

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, 170, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 225) }
```

Border

The CSS property to change the border of an element to XYZ 27.9653, 34.1857, 76.3587 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, 170, 225) }
```


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

```
.border{ border-color:rgb(0, 170, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9653, 34.1857, 76.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 225) }
```

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

```
.background{ background-color: rgb(0, 170,  
225) }
```

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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