

Converting Colors

XYZ(27.9724, 36.3574, 69.1617)

Have a look what the booklet for
XYZ(27.9724, 36.3574, 69.1617)
contains.

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Color

**XYZ(27.9724, 36.3574,
69.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	09B1D6
RGB	9, 177, 214
RGB Percent	4%, 69%, 84%
CMY	0.9645, 0.3059, 0.1608
CMYK	0.96, 0.17, 0.00, 0.16
HSL	191°, 92%, 44%
HSV	191°, 96%, 84%
XYZ	27.9724, 36.3574, 69.1617
YIQ	130.9860, -112.0050, -24.1090

Conversions

Conversions Part 2

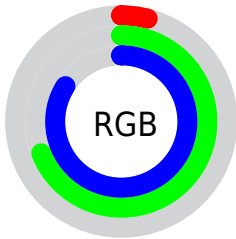
Format	Color
RYB	9, 101, 214
Decimal	635350
CIELab	66.79, -24.28, -29.18
CIELCh	67, 37.958, 230.235
Yxy	36.3574, 0.2095, 0.2724
Android (android.graphics.Color)	4278825430 (0xFF09B1D6)
YUV	130.9860, 40.9259, -106.9817
Hunter-Lab	60.2971, -22.7121, -25.7986

Details

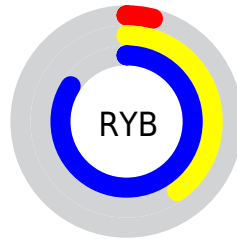
The XYZ color **27.9724, 36.3574, 69.1617** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.7604, 16.2741, 1.8853**, and the grayscale version is **21.4615, 22.5792, 24.5887**.

A 20% lighter version of the original color is **53.1328, 68.5620, 105.0411**, and **13.4657, 16.9185, 35.3568** is the 20% darker color. If you saturate the color by 10%, you get **27.5395, 35.6586, 69.0504**, and if you desaturate by 10%, it is **29.1830, 38.1310, 69.4410**.

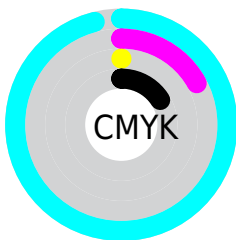
Distribution



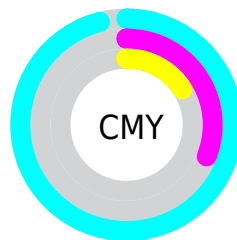
- Red (4%)
- Green (69%)
- Blue (84%)



- Red (4%)
- Yellow (40%)
- Blue (84%)



- Cyan (96%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (96%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9724, 36.3574, 69.1617 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 27.9724, 36.3574, 69.1617 by changing the saturation by 10% instead.

■ 27.9724, 36.3574,
69.1617

■ 27.9724, 36.3574,
69.1617

284.4175,
330.5200, 476.3104

■ 18.4452, 24.7103,
50.3708

■ 55.8493, 69.5833,
119.6824

■ 11.3717, 15.8614,
35.3349

■ 74.9298, 91.9310,
152.2493

■ 6.3866, 9.4261,
23.6354

■ 97.9253, 118.6144,
190.2453

■ 3.1244, 5.0202,
14.8537

■ 125.2014,
150.0178, 234.0889

■ 1.2199, 2.2591,
8.5713

■ 157.1233,
186.5257, 284.1987

■ 0.1220, 0.7519,
4.3696

194.0563,

■ 0.0000, 0.0000,

228.5224, 340.9932

1.8302

236.3660,
276.3924, 404.8909

■ 0.0000, 0.0000,
0.4478

■ 0.0000, 0.0000,
0.0000

■ 27.9724, 36.3574,
69.1617

■ 27.9724, 36.3574,
69.1617

■ 27.5395, 35.6586,
69.0504

■ 29.1830, 38.1310,
69.4410

■ 30.8386, 40.1658,
69.7465

■ 33.0145, 42.5014,
70.0826

■ 35.7708, 45.1690,
70.4522

■ 39.1590, 48.1955,
70.8578

■ 43.2250, 51.6047,
71.3015

■ 48.0102, 55.4182,
71.7854

■ 53.5525, 59.6559,
72.3113

■ 59.8874, 64.3362,
72.8808

Harmonies

Analogous

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



25.2085, 36.3574, 51.5451



27.9724, 36.3574, 69.1617



32.7199, 36.3574, 79.5780

Triad

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



27.9724, 36.3574, 69.1617



46.6026, 36.3574, 45.1884



30.8813, 36.3574, 16.7341

Complementary

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



27.9724, 36.3574, 69.1617



28.7604, 16.2741, 1.8853

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.



36.4608, 36.3574, 15.9080



27.9724, 36.3574, 69.1617



45.9698, 36.3574, 29.6381

Square

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



27.9724, 36.3574, 69.1617



43.7446, 36.3574, 63.4174



42.1006, 36.3574, 19.9359



26.7547, 36.3574, 22.6281

Rectangle

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



27.9724, 36.3574, 69.1617



36.5532, 36.3574, 79.5063



42.1006, 36.3574, 19.9359



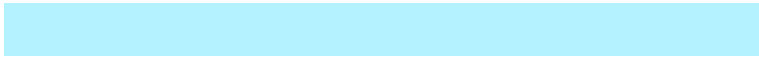
32.6341, 36.3574, 15.9325

Sweetspot

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



27.9736, 36.3587, 69.1626



68.7659, 80.3459, 106.4917



24.6000, 48.3280, 10.3374



14.0695, 16.6783, 22.7276



0.0000, 0.0000, 0.0000



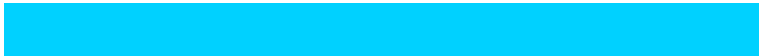
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9736, 36.3587, 69.1626



40.8421, 52.8041, 102.6474



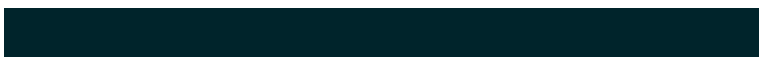
14.9307, 10.2729, 64.8150



12.5927, 13.7088, 15.9199



16.7155, 21.6928, 41.7593



1.0591, 1.4101, 2.5357

Inverse Universe

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



35.7662, 17.6672, 43.1212



52.7444, 25.8618, 62.5112



38.0118, 34.7768, 4.9691



12.8524, 12.5924, 15.1627



21.4961, 10.5347, 25.7141



1.3222, 0.6457, 1.6862

Previews

White Background



This preview shows how the XYZ color 27.9724, 36.3574, 69.1617 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 27.9724, 36.3574, 69.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

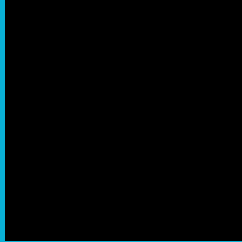
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9724, 36.3574, 69.1617

Background



This preview shows how black text looks on a background with the XYZ color 27.9724, 36.3574, 69.1617.

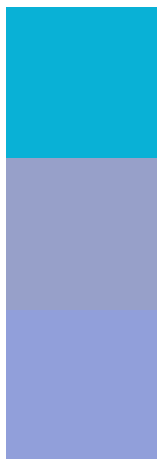


This preview shows how white text looks on a background with the XYZ color 27.9724, 36.3574,

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

27.9724, 36.3574, 69.1617

Protanopia

35.8759, 35.9380, 60.3042

Deuteranopia

36.7301, 35.8780, 71.3189



Tritanopia

25.8577, 36.1352, 56.6509

Trichromacy



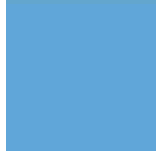
Original Color

27.9724, 36.3574, 69.1617



Protanomaly

29.9224, 34.3813, 63.4517



Deuteranomaly

30.9845, 34.7690, 70.7237



Tritanomaly

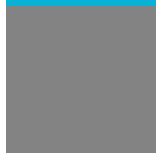
26.5006, 36.0772, 60.8252

Monochromacy



Original Color

27.9724, 36.3574, 69.1617



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.9534, 25.7793, 37.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9724, 36.3574, 69.1617 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(9, 177, 214)` looks like.

```
.text, #text, p{  
    color:rgb(9, 177, 214)  
}
```

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(9, 177, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 177, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.9724, 36.3574, 69.1617 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(9, 177, 214) }
```


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

```
.border{ border-color:rgb(9, 177, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 177, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 177, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 177, 214);  
box-shadow:4px 4px 4px 4px rgb(9, 177,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9724, 36.3574, 69.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 177, 214) }
```

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

```
.background{ background-color: rgb(9, 177,  
214) }
```

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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