

Converting Colors

XYZ(26.9724, 35.9265, 66.8386)

Have a look what the booklet for
XYZ(26.9724, 35.9265, 66.8386)
contains.

XYZ(27.4800, 36.1474, 67.1568)	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(27.4800, 36.1474,
67.1568)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1D3
RGB	0, 177, 211
RGB Percent	0%, 69%, 83%
CMY	0.9998, 0.3059, 0.1725
CMYK	1.00, 0.16, 0.00, 0.17
HSL	190°, 100%, 41%
HSV	190°, 100%, 83%
XYZ	27.4800, 36.1474, 67.1568
YIQ	127.9530, -116.4060, -26.9500

Conversions

Conversions Part 2

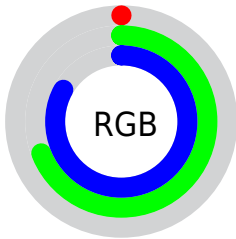
Format	Color
RYB	0, 96, 211
Decimal	45523
CIELab	66.63, -25.55, -27.77
CIELCh	67, 37.742, 227.385
Yxy	36.1474, 0.2101, 0.2764
Android (android.graphics.Color)	4278235603 (0xFF00B1D3)
YUV	127.9530, 40.9422, -112.2148
Hunter-Lab	60.1227, -23.6286, -24.1408

Details

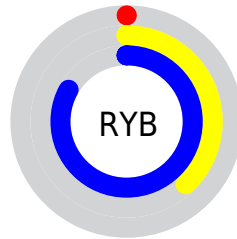
The XYZ color **27.4800, 36.1474, 67.1568** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.4380, 14.9960, 1.4498**, and the grayscale version is **20.3986, 21.4610, 23.3710**.

A 20% lighter version of the original color is **52.8978, 68.4409, 105.0301**, and **13.2084, 16.8156, 34.0021** is the 20% darker color. If you saturate the color by 10%, you get **27.4790, 36.1452, 67.1571**, and if you desaturate by 10%, it is **28.4732, 37.6697, 67.3990**.

Distribution



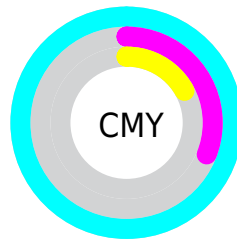
- Red (0%)
- Green (69%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4800, 36.1474, 67.1568 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 27.4800, 36.1474, 67.1568 by changing the saturation by 10% instead.

27.4800, 36.1474,
67.1568

27.4800, 36.1474,
67.1568

282.0991,
329.6043, 469.0194

18.0725, 24.5481,
48.7497

55.0676, 69.2595,
116.7878

11.1020, 15.7407,
34.0567

73.9785, 91.5411,
148.8488

6.2033, 9.3408,
22.6595

96.7878, 118.1522,
186.2982

3.0109, 4.9642,
14.1393

123.8609,
149.4772, 229.5544

1.1595, 2.2262,
8.0778

155.5633,
185.9005, 279.0362

0.0741, 0.7342,
4.0563

192.2602,

0.0000, 0.0000,

227.8065, 335.1619

1.6563

234.3170,
275.5797, 398.3501

■ 0.0000, 0.0000,
0.3305

■ 0.0000, 0.0000,
0.0000

■ 27.4800, 36.1474,
67.1568

■ 27.4800, 36.1474,
67.1568

■ 27.4790, 36.1452,
67.1571

■ 28.4732, 37.6697,
67.3990

■ 29.8228, 39.4002,
67.6619

■ 31.6441, 41.3989,
67.9517

■ 33.9994, 43.6984,
68.2714

■ 36.9417, 46.3260,
68.6235

■ 40.5171, 49.3058,
69.0102

■ 44.7674, 52.6593,
69.4335

■ 49.7305, 56.4063,
69.8951

■ 55.4415, 60.5651,
70.3969

Harmonies

Analogous

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



24.9525, 36.1474, 49.4636



27.4800, 36.1474, 67.1568



32.0265, 36.1474, 78.4538

Triad

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



27.4800, 36.1474, 67.1568



46.1554, 36.1474, 46.5927



31.1959, 36.1474, 16.4184

Complementary

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



27.4800, 36.1474, 67.1568



27.4380, 14.9960, 1.4498

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.



36.7980, 36.1474, 16.0451



27.4800, 36.1474, 67.1568



45.8695, 36.1474, 30.7326

Square

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



27.4800, 36.1474, 67.1568



43.0377, 36.1474, 64.5625



42.2951, 36.1474, 20.5353



26.9299, 36.1474, 21.7515

Rectangle

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



27.4800, 36.1474, 67.1568



35.7801, 36.1474, 79.2414



42.2951, 36.1474, 20.5353



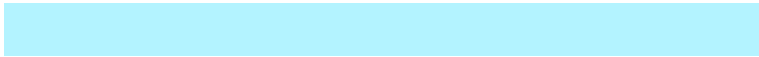
32.9722, 36.1474, 15.7741

Sweetspot

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



27.4812, 36.1487, 67.1577



68.4771, 80.6484, 106.5653



23.5517, 46.6920, 9.1159



14.0372, 16.7789, 22.7488



0.0000, 0.0000, 0.0000



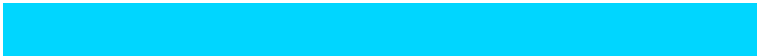
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4812, 36.1487, 67.1577



42.0717, 55.2634, 103.0572



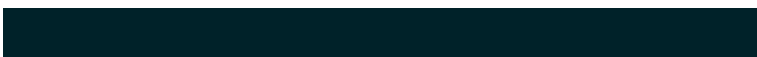
14.1996, 9.5855, 62.7305



11.9894, 13.0691, 15.1343



16.6466, 21.9398, 40.5499



0.9752, 1.3156, 2.2821

Inverse Universe

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



34.8008, 17.0245, 43.0480



53.3651, 26.1100, 65.7796



35.8341, 31.7884, 4.2485



12.2255, 11.9750, 14.4635



21.0332, 10.2861, 26.1445



1.1985, 0.5841, 1.5800

Previews

White Background



This preview shows how the XYZ color 27.4800, 36.1474, 67.1568 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 27.4800, 36.1474, 67.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

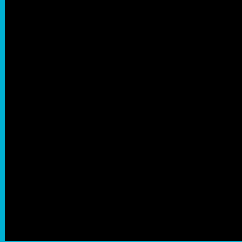
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4800, 36.1474, 67.1568

Background



This preview shows how black text looks on a background with the XYZ color 27.4800, 36.1474, 67.1568.

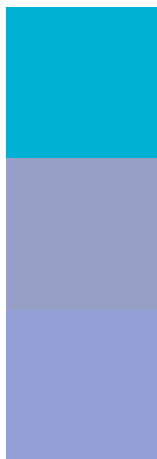


This preview shows how white text looks on a background with the XYZ color 27.4800, 36.1474,

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

27.4800, 36.1474, 67.1568

Protanopia

35.5401, 35.5489, 58.4145

Deuteranopia

36.6965, 35.9056, 69.2863



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

27.4800, 36.1474, 67.1568

Protanomaly

29.3455, 34.1256, 61.5401

Deuteranomaly

30.3899, 34.5072, 68.6772

Tritanomaly

26.3457, 36.0109, 60.2058

Monochromacy



Original Color

27.4800, 36.1474, 67.1568

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.8438, 24.7757, 36.0841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4800, 36.1474, 67.1568 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, 177, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 211)  
}
```

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, 177, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 211) }
```

Border

The CSS property to change the border of an element to XYZ 27.4800, 36.1474, 67.1568 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, 177, 211) }
```


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

```
.border{ border-color:rgb(0, 177, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4800, 36.1474, 67.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 211) }
```

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

```
.background{ background-color: rgb(0, 177,  
211) }
```

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