

Converting Colors

XYZ(27.6120, 34.7028, 72.4681)

Have a look what the booklet for
XYZ(27.6120, 34.7028, 72.4681)
contains.

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Color

**XYZ(27.5387, 34.6195,
72.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACDB
RGB	0, 172, 219
RGB Percent	0%, 67%, 86%
CMY	0.9998, 0.3255, 0.1412
CMYK	1.00, 0.21, 0.00, 0.14
HSL	193°, 100%, 43%
HSV	193°, 100%, 86%
XYZ	27.5387, 34.6195, 72.2486
YIQ	125.9300, -117.5990, -21.8470

Conversions

Conversions Part 2

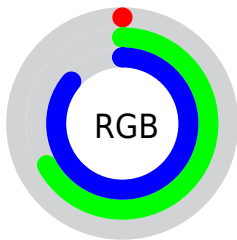
Format	Color
RYB	0, 96, 219
Decimal	44251
CIELab	65.45, -20.23, -34.01
CIELCh	65, 39.570, 239.257
Yxy	34.6195, 0.2049, 0.2576
Android (android.graphics.Color)	4278234331 (0xFF00ACDB)
YUV	125.9300, 45.8835, -110.4406
Hunter-Lab	58.8383, -19.4219, -31.6164

Details

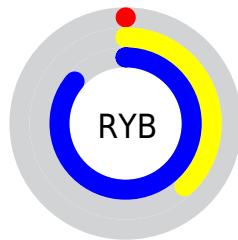
The XYZ color **27.5387, 34.6195, 72.2486** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.2327, 17.0977, 1.7083**, and the grayscale version is **19.6911, 20.7166, 22.5603**.

A 20% lighter version of the original color is **51.3448, 65.1614, 104.4790**, and **13.4173, 16.1133, 37.5250** is the 20% darker color. If you saturate the color by 10%, you get **27.5370, 34.6159, 72.2487**, and if you desaturate by 10%, it is **28.7798, 36.6117, 72.5684**.

Distribution



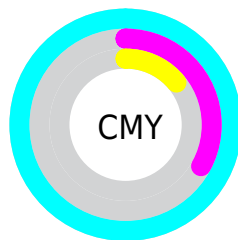
- Red (0%)
- Green (67%)
- Blue (86%)



- Red (0%)
- Yellow (38%)
- Blue (86%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (33%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5387, 34.6195, 72.2486 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 27.5387, 34.6195, 72.2486 by changing the saturation by 10% instead.

■ 27.5387, 34.6195,
72.2486

■ 27.5387, 34.6195,
72.2486

282.3763,
322.8856, 487.4072

■ 18.1169, 23.3699,
52.8737

■ 55.1609, 66.8959,
124.1209

■ 11.1341, 14.8669,
37.3149

■ 74.0920, 88.6915,
157.4554

■ 6.2251, 8.7260,
25.1537

■ 96.9236, 114.7712,
196.2802

■ 3.0244, 4.5629,
15.9716

■ 124.0211,
145.5195, 241.0138

■ 1.1667, 1.9932,
9.3499

■ 155.7497,
181.3206, 292.0748

■ 0.0798, 0.6035,
4.8702

192.4749,

■ 0.0000, 0.0000,

222.5591, 349.8816

2.1139

234.5619,
269.6193, 414.8529

■ 0.0000, 0.0000,
0.6240

■ 0.0000, 0.0000,
0.0000

■ 27.5387, 34.6195,
72.2486

■ 27.5387, 34.6195,
72.2486

■ 27.5370, 34.6159,
72.2487

■ 28.7798, 36.6117,
72.5684

■ 30.4250, 38.8591,
72.9155

■ 32.5977, 41.4265,
73.2965

■ 35.3668, 44.3496,
73.7148

■ 38.7905, 47.6590,
74.1732

■ 42.9197, 51.3814,
74.6740

■ 47.8001, 55.5408,
75.2196

■ 53.4735, 60.1592,
75.8121

■ 59.9786, 65.2569,
76.4532

Harmonies

Analogous

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



24.1212, 34.6195, 55.5106



27.5387, 34.6195, 72.2486



32.7607, 34.6195, 79.3762

Triad

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



27.5387, 34.6195, 72.2486



45.3308, 34.6195, 38.1095



27.7612, 34.6195, 16.1693

Complementary

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



27.5387, 34.6195, 72.2486



30.2327, 17.0977, 1.7083

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.



33.0493, 34.6195, 13.9672



27.5387, 34.6195, 72.2486



43.5973, 34.6195, 24.1680

Square

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



27.5387, 34.6195, 72.2486



43.4235, 34.6195, 56.4421



38.9263, 34.6195, 16.4054



24.2387, 34.6195, 23.6397

Rectangle

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



27.5387, 34.6195, 72.2486



36.7123, 34.6195, 76.4874



38.9263, 34.6195, 16.4054



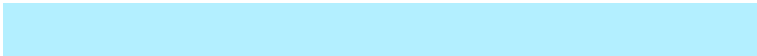
29.3701, 34.6195, 14.9058

Sweetspot

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



27.5399, 34.6207, 72.2495



67.2683, 78.2307, 106.1624



25.7842, 50.8446, 10.8226



13.7454, 16.1952, 22.6515



0.0000, 0.0000, 0.0000



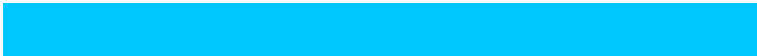
20.3446, 21.4041, 23.3091

Same Dimension

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



27.5399, 34.6207, 72.2495



38.7649, 48.6499, 101.9550



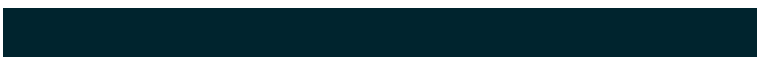
14.7200, 8.9808, 67.9762



13.1953, 14.3304, 16.7227



16.4108, 20.6911, 42.8672



1.1235, 1.4611, 2.7972

Inverse Universe

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



36.6609, 18.0400, 40.5806



51.6959, 25.4424, 56.9903



40.6572, 37.9468, 5.1832



13.4885, 13.2245, 15.8334



21.7788, 10.7125, 24.2788



1.4414, 0.7062, 1.7332

Previews

White Background



This preview shows how the XYZ color 27.5387, 34.6195, 72.2486 looks on a white background.

Color Contrast Check

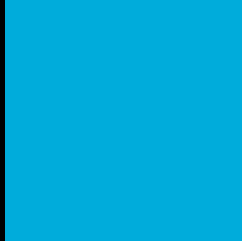
Large Text (above 18pt) WCAG AA × Fail

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 27.5387, 34.6195, 72.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

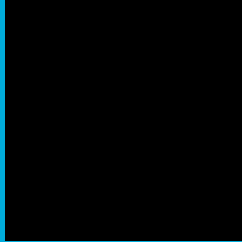
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5387, 34.6195, 72.2486

Background



This preview shows how black text looks on a background with the XYZ color 27.5387, 34.6195, 72.2486.

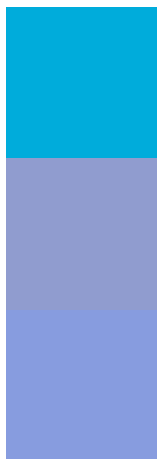


This preview shows how white text looks on a background with the XYZ color 27.5387, 34.6195,

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

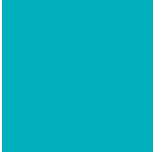
27.5387, 34.6195, 72.2486

Protanopia

34.6526, 34.2112, 63.8085

Deuteranopia

35.1994, 34.2555, 74.5688



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

27.5387, 34.6195, 72.2486



Protanomaly

29.0918, 32.8191, 66.4294



Deuteranomaly

29.9429, 33.0930, 73.9167



Tritanomaly

25.7553, 34.8301, 60.0090

Monochromacy



Original Color

27.5387, 34.6195, 72.2486



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.4759, 23.8885, 36.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5387, 34.6195, 72.2486 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, 172, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 219)  
}
```

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, 172, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.5387, 34.6195, 72.2486 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, 172, 219) }
```


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

```
.border{ border-color:rgb(0, 172, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5387, 34.6195, 72.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 219) }
```

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

```
.background{ background-color: rgb(0, 172,  
219) }
```

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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