

Converting Colors

XYZ(17.1163, 29.9337, 74.4794)

Have a look what the booklet for
XYZ(17.1163, 29.9337, 74.4794)
contains.

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Color

**XYZ(28.6493, 35.9877,
75.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFDF
RGB	0, 175, 223
RGB Percent	0%, 69%, 87%
CMY	0.9998, 0.3137, 0.1255
CMYK	1.00, 0.22, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.6493, 35.9877, 75.2484
YIQ	128.1470, -119.7080, -22.1720

Conversions

Conversions Part 2

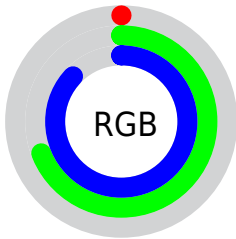
Format	Color
RYB	0, 98, 223
Decimal	45023
CIELab	66.51, -20.40, -34.56
CIELCh	67, 40.138, 239.446
Yxy	35.9877, 0.2048, 0.2573
Android (android.graphics.Color)	4278235103 (0xFF00AFDF)
YUV	128.1470, 46.7625, -112.3849
Hunter-Lab	59.9897, -19.7358, -32.3778

Details

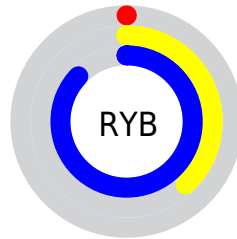
The XYZ color **28.6493, 35.9877, 75.2484** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.4914, 17.8069, 1.7790**, and the grayscale version is **20.4479, 21.5128, 23.4274**.

A 20% lighter version of the original color is **52.5698, 67.4360, 104.8535**, and **14.0274, 16.7462, 39.5388** is the 20% darker color. If you saturate the color by 10%, you get **28.6474, 35.9837, 75.2485**, and if you desaturate by 10%, it is **29.9398, 38.0656, 75.5822**.

Distribution



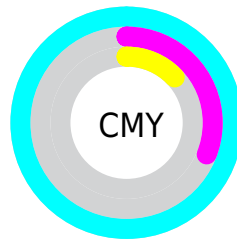
- Red (0%)
- Green (69%)
- Blue (87%)



- Red (0%)
- Yellow (38%)
- Blue (87%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6493, 35.9877, 75.2484 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 28.6493, 35.9877, 75.2484 by changing the saturation by 10% instead.

■ 28.6493, 35.9877,
75.2484

■ 28.6493, 35.9877,
75.2484

287.5808,
328.9068, 498.0491

■ 18.9586, 24.4247,
55.3135

■ 56.9209, 69.0131,
128.4143

■ 11.7442, 15.6490,
39.2524

■ 76.2324, 91.2442,
162.4822

■ 6.6407, 9.2761,
26.6468

■ 99.4817, 117.8003,
202.0983

■ 3.2828, 4.9217,
17.0781

■ 127.0340,
149.0655, 247.6810

■ 1.3050, 2.2014,
10.1276

■ 159.2547,
185.4244, 299.6489

■ 0.1870, 0.7208,
5.3769

196.5092,

■ 0.0000, 0.0000,

227.2613, 358.4206

2.4075

239.1628,
274.9606, 424.4144

■ 0.0000, 0.0000,
0.7905

■ 0.0000, 0.0000,
0.0000

■ 28.6493, 35.9877,
75.2484

■ 28.6493, 35.9877,
75.2484

■ 28.6474, 35.9837,
75.2485

■ 29.9398, 38.0656,
75.5822

■ 31.6530, 40.4106,
75.9445

■ 33.9163, 43.0896,
76.3423

■ 36.8020, 46.1401,
76.7791

■ 40.3708, 49.5942,
77.2577

■ 44.6760, 53.4796,
77.7807

■ 49.7655, 57.8215,
78.3505

■ 55.6830, 62.6429,
78.9693

■ 62.4688, 67.9651,
79.6389

Harmonies

Analogous

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



25.0789, 35.9877, 57.8559



28.6493, 35.9877, 75.2484



34.0934, 35.9877, 82.5875

Triad

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



28.6493, 35.9877, 75.2484



47.1418, 35.9877, 39.5060



28.8220, 35.9877, 16.8170

Complementary

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



28.6493, 35.9877, 75.2484



31.4914, 17.8069, 1.7790

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.



34.3173, 35.9877, 14.4959



28.6493, 35.9877, 75.2484



45.3139, 35.9877, 25.0363

Square

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



28.6493, 35.9877, 75.2484



45.1790, 35.9877, 58.5790



40.4367, 35.9877, 17.0001



25.1700, 35.9877, 24.6266

Rectangle

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



28.6493, 35.9877, 75.2484



38.2075, 35.9877, 79.5186



40.4367, 35.9877, 17.0001



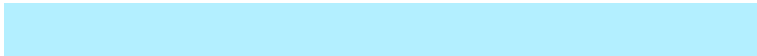
30.4927, 35.9877, 15.4921

Sweetspot

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



28.6506, 35.9889, 75.2493



67.2541, 78.2022, 106.1576



26.8556, 52.9631, 11.2546



13.7420, 16.1884, 22.6503



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.



28.6506, 35.9889, 75.2493



38.7273, 48.5745, 101.9424



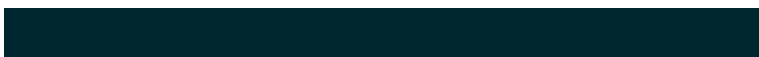
15.3238, 9.3355, 70.8071



13.8531, 15.0452, 17.5616



16.9298, 21.3292, 44.2730



1.2366, 1.6046, 3.0898

Inverse Universe

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



38.1705, 18.7846, 42.1725



51.6769, 25.4348, 56.8901



42.3404, 39.5049, 5.3953



14.1621, 13.8825, 16.6235



22.4856, 11.0612, 25.0207



1.5904, 0.7794, 1.9019

Previews

White Background



This preview shows how the XYZ color 28.6493, 35.9877, 75.2484 looks on a white background.

Color Contrast Check

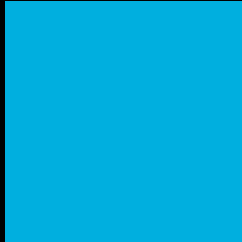
Large Text (above 18pt) WCAG AA × Fail

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 28.6493, 35.9877, 75.2484 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

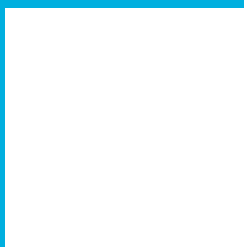
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6493, 35.9877, 75.2484

Background



This preview shows how black text looks on a background with the XYZ color 28.6493, 35.9877, 75.2484.

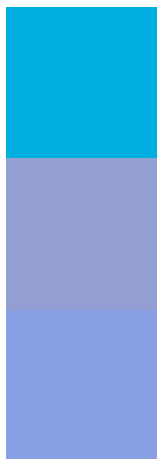


This preview shows how white text looks on a background with the XYZ color 28.6493, 35.9877,

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

28.6493, 35.9877, 75.2484

Protanopia

36.1886, 35.7025, 66.6119

Deuteranopia

36.5798, 35.6607, 77.6283

Trichromacy



Original Color

28.6493, 35.9877, 75.2484

Protanomaly

30.3370, 34.1962, 69.2916

Deuteranomaly

31.1131, 34.4275, 76.9568

Monochromacy



Original Color

28.6493, 35.9877, 75.2484

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1296, 24.6445, 38.3462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6493, 35.9877, 75.2484 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, 175, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 223)  
}
```

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, 175, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 223) }
```

Border

The CSS property to change the border of an element to XYZ 28.6493, 35.9877, 75.2484 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, 175, 223) }
```

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

```
.border{ border-color:rgb(0, 175, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
223) }
```


Background

The CSS property to change the background color of an element to XYZ 28.6493, 35.9877, 75.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 223) }
```

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

```
.background{ background-color: rgb(0, 175,  
223) }
```

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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