

Converting Colors

XYZ(27.3909, 37.3791, 73.4870)

Have a look what the booklet for
XYZ(27.3909, 37.3791, 73.4870)
contains.

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Color

**XYZ(29.6462, 38.6232,
73.6027)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6DC
RGB	0, 182, 220
RGB Percent	0%, 71%, 86%
CMY	0.9998, 0.2863, 0.1373
CMYK	1.00, 0.17, 0.00, 0.14
HSL	190°, 100%, 43%
HSV	190°, 100%, 86%
XYZ	29.6462, 38.6232, 73.6027
YIQ	131.9140, -120.6700, -26.7660

Conversions

Conversions Part 2

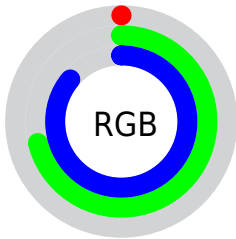
Format	Color
RYB	0, 100, 220
Decimal	46812
CIELab	68.48, -25.04, -29.88
CIELCh	68, 38.980, 230.034
Yxy	38.6232, 0.2090, 0.2722
Android (android.graphics.Color)	4278236892 (0xFF00B6DC)
YUV	131.9140, 43.4264, -115.6886
Hunter-Lab	62.1476, -23.6085, -26.7151

Details

The XYZ color **29.6462, 38.6232, 73.6027** 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 **30.2106, 16.6054, 1.6144**, and the grayscale version is **21.7869, 22.9215, 24.9616**.

A 20% lighter version of the original color is **54.5684, 71.4332, 105.5197**, and **14.6418, 18.4171, 38.3805** is the 20% darker color. If you saturate the color by 10%, you get **29.6450, 38.6205, 73.6030**, and if you desaturate by 10%, it is **30.7679, 40.3734, 73.8822**.

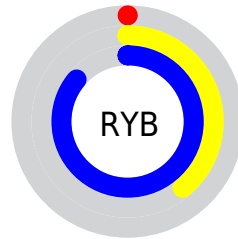
Distribution



Red (0%)

Green (71%)

Blue (86%)



Red (0%)

Yellow (39%)

Blue (86%)

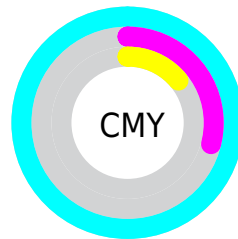


Cyan (100%)

Magenta (17%)

Yellow (0%)

Black (14%)



Cyan (100%)

Magenta (29%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6462, 38.6232, 73.6027 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 29.6462, 38.6232, 73.6027 by changing the saturation by 10% instead.

■ 29.6462, 38.6232,
73.6027

■ 29.6462, 38.6232,
73.6027

292.1913,
340.2858, 492.2277

■ 19.7169, 26.4667,
53.9741

■ 58.4927, 73.0623,
126.0613

■ 12.2965, 17.1731,
38.1879

■ 78.1406, 96.1138,
159.7284

■ 7.0196, 10.3580,
25.8256

■ 101.7588,
123.5657, 198.9120

■ 3.5208, 5.6370,
16.4686

■ 129.7127,
155.8025, 244.0307

■ 1.4348, 2.6256,
9.6984

■ 162.3675,
193.2085, 295.5032

■ 0.2808, 0.9396,
5.0965

200.0886,

■ 0.0000, 0.0000,

236.1681, 353.7478

2.2443

243.2414,
285.0657, 419.1831

■ 0.0000, 0.0000,
0.6997

■ 0.0000, 0.0000,
0.0000

■ 29.6462, 38.6232,
73.6027

■ 29.6462, 38.6232,
73.6027

■ 29.6450, 38.6205,
73.6030

■ 30.7679, 40.3734,
73.8822

■ 32.2872, 42.3596,
74.1855

■ 34.3283, 44.6466,
74.5193

■ 36.9609, 47.2705,
74.8870

■ 40.2435, 50.2620,
75.2914

■ 44.2276, 53.6476,
75.7349

■ 48.9593, 57.4513,
76.2197

■ 54.4807, 61.6952,
76.7479

■ 60.8307, 66.3995,
77.3212

Harmonies

Analogous

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



26.7107, 38.6232, 54.7139



29.6462, 38.6232, 73.6027



34.7074, 38.6232, 84.8445

Triad

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



29.6462, 38.6232, 73.6027



49.5891, 38.6232, 48.1723



32.8177, 38.6232, 17.6402

Complementary

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



29.6462, 38.6232, 73.6027



30.2106, 16.6054, 1.6144

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.



38.7886, 38.6232, 16.7947



29.6462, 38.6232, 73.6027



48.9376, 38.6232, 31.5153

Square

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



29.6462, 38.6232, 73.6027



46.5076, 38.6232, 67.6838



44.8156, 38.6232, 21.1213



28.3955, 38.6232, 23.8808

Rectangle

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



29.6462, 38.6232, 73.6027



38.8029, 38.6232, 84.8334



44.8156, 38.6232, 21.1213



34.6942, 38.6232, 16.7985

Sweetspot

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



29.6475, 38.6246, 73.6037



68.2128, 80.1198, 106.4772



25.9236, 51.3191, 10.2658



13.9733, 16.6511, 22.7275



0.0000, 0.0000, 0.0000



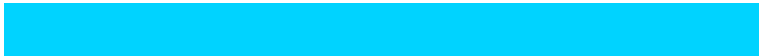
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6475, 38.6246, 73.6037



41.3308, 53.7815, 102.8103



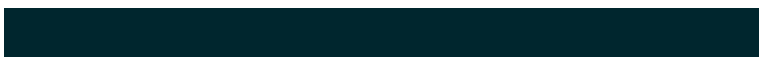
15.3259, 9.9814, 68.8298



13.2435, 14.4268, 16.7388



17.4707, 22.8108, 43.2205



1.1833, 1.5808, 2.8172

Inverse Universe

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



37.9599, 18.5945, 45.8456



52.9911, 25.9604, 63.8102



39.9006, 35.9855, 4.8444



13.5128, 13.2342, 15.9615



22.3137, 10.9265, 27.0959



1.4716, 0.7183, 1.8923

Previews

White Background



This preview shows how the XYZ color 29.6462, 38.6232, 73.6027 looks on a white background.

Color Contrast Check

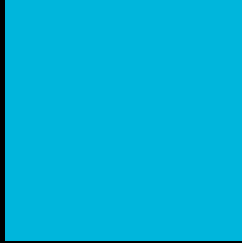
Large Text (above 18pt) WCAG AA × Fail

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 29.6462, 38.6232, 73.6027 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

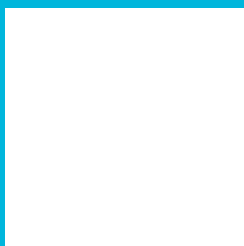
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6462, 38.6232, 73.6027

Background



This preview shows how black text looks on a background with the XYZ color 29.6462, 38.6232, 73.6027.



This preview shows how white text looks on a background with the XYZ color 29.6462, 38.6232,

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

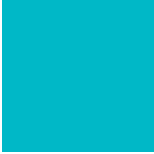
29.6462, 38.6232, 73.6027

Protanopia

38.2482, 38.1238, 64.3742

Deuteranopia

39.1244, 38.3223, 75.8559



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



Original Color

29.6462, 38.6232, 73.6027



Protanomaly

31.5922, 36.5319, 67.6736



Deuteranomaly

32.6015, 36.8864, 75.2135



Tritanomaly

28.1960, 38.3720, 64.9519

Monochromacy



Original Color

29.6462, 38.6232, 73.6027



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.2633, 26.3778, 39.0927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6462, 38.6232, 73.6027 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, 182, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 220)  
}
```

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, 182, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 220) }
```

Border

The CSS property to change the border of an element to XYZ 29.6462, 38.6232, 73.6027 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, 182, 220) }
```


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

```
.border{ border-color:rgb(0, 182, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6462, 38.6232, 73.6027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 220) }
```

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

```
.background{ background-color: rgb(0, 182,  
220) }
```

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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