

Converting Colors

XYZ(19.4233, 35.3238, 78.6701)

Have a look what the booklet for
XYZ(19.4233, 35.3238, 78.6701)
contains.

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Color

**XYZ(32.0627, 41.9412,
79.0786)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDE3
RGB	0, 189, 227
RGB Percent	0%, 74%, 89%
CMY	0.9998, 0.2588, 0.1098
CMYK	1.00, 0.17, 0.00, 0.11
HSL	190°, 100%, 45%
HSV	190°, 100%, 89%
XYZ	32.0627, 41.9412, 79.0786
YIQ	136.8210, -124.8420, -28.2500

Conversions

Conversions Part 2

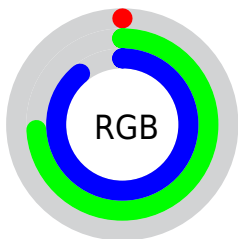
Format	Color
RYB	0, 103, 227
Decimal	48611
CIELab	70.83, -26.21, -30.07
CIELCh	71, 39.885, 228.925
Yxy	41.9412, 0.2094, 0.2740
Android (android.graphics.Color)	4278238691 (0xFF00BDE3)
YUV	136.8210, 44.4582, -119.9920
Hunter-Lab	64.7620, -24.9609, -27.0635

Details

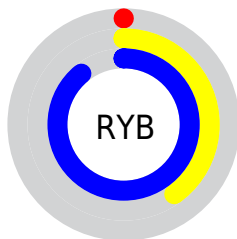
The XYZ color **32.0627, 41.9412, 79.0786** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.3742, 17.7211, 1.7159**, and the grayscale version is **23.5887, 24.8172, 27.0259**.

A 20% lighter version of the original color is **57.1901, 76.3197, 106.3247**, and **16.0147, 20.2682, 41.5962** is the 20% darker color. If you saturate the color by 10%, you get **32.0613, 41.9381, 79.0789**, and if you desaturate by 10%, it is **33.2396, 43.7784, 79.3720**.

Distribution



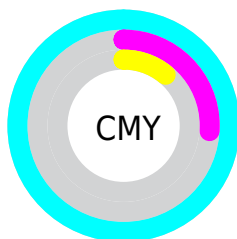
- Red (0%)
- Green (74%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0627, 41.9412, 79.0786 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 32.0627, 41.9412, 79.0786 by changing the saturation by 10% instead.

32.0627, 41.9412,
79.0786

32.0627, 41.9412,
79.0786

303.1450,
354.2391, 511.4469

21.5652, 29.0553,
58.4387

62.2739, 78.1106,
133.8692

13.6526, 19.1226,
41.7444

82.7183, 102.1629,
168.8570

7.9595, 11.7589,
28.5772

107.2090,
130.7061, 209.4645

4.1206, 6.5797,
18.5184

136.1114,
164.1245, 256.1103

1.7706, 3.2007,
11.1495

169.7908,
202.8027, 309.2129

0.4999, 1.2374,
6.0520

208.6127,

0.0000, 0.0919,

247.1249, 369.1908

2.8075

252.9423,
297.4756, 436.4626

■ 0.0000, 0.0000,
0.9972

■ 0.0000, 0.0000,
0.0000

■ 32.0627, 41.9412,
79.0786

■ 32.0627, 41.9412,
79.0786

■ 32.0613, 41.9381,
79.0789

■ 33.2396, 43.7784,
79.3720

■ 34.8442, 45.8674,
79.6907

■ 37.0085, 48.2771,
80.0417

■ 39.8076, 51.0467,
80.4288

■ 43.3050, 54.2090,
80.8548

■ 47.5562, 57.7929,
81.3225

■ 52.6110, 61.8242,
81.8342

■ 58.5148, 66.3266,
82.3921

■ 65.3097, 71.3221,
82.9982

Harmonies

Analogous

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



28.9826, 41.9412, 58.5574



32.0627, 41.9412, 79.0786



37.4655, 41.9412, 91.6687

Triad

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



32.0627, 41.9412, 79.0786



53.7249, 41.9412, 53.0430



35.8715, 41.9412, 19.1105

Complementary

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



32.0627, 41.9412, 79.0786



32.3742, 17.7211, 1.7159

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.



42.3624, 41.9412, 18.3960



32.0627, 41.9412, 79.0786



53.1757, 41.9412, 34.8221

Square

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



32.0627, 41.9412, 79.0786



50.2640, 41.9412, 74.0918



48.8377, 41.9412, 23.3076



31.0074, 41.9412, 25.6380

Rectangle

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



32.0627, 41.9412, 79.0786



41.8740, 41.9412, 92.0475



48.8377, 41.9412, 23.3076



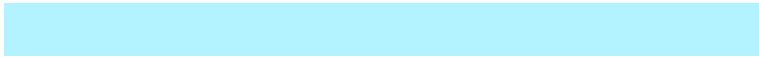
37.9191, 41.9412, 18.2666

Sweetspot

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



32.0641, 41.9427, 79.0796



68.3340, 80.3622, 106.5176



27.8181, 55.0783, 10.9888



14.0026, 16.7097, 22.7372



0.0000, 0.0000, 0.0000



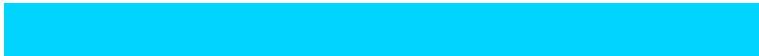
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0641, 41.9427, 79.0796



41.6694, 54.4587, 102.9231



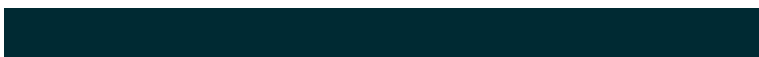
16.4303, 10.6750, 73.8684



14.5913, 15.9040, 18.4451



18.7724, 24.6069, 46.1434



1.4419, 1.9278, 3.4281

Inverse Universe

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



40.8651, 20.0066, 49.8532



53.1620, 26.0288, 64.7102



42.8028, 38.5784, 5.1921



14.8860, 14.5716, 17.6003



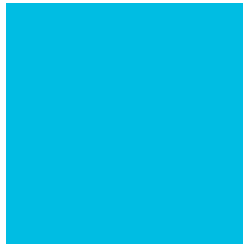
23.8689, 11.6818, 29.2685



1.7915, 0.8743, 2.3083

Previews

White Background



This preview shows how the XYZ color 32.0627, 41.9412, 79.0786 looks on a white background.

Color Contrast Check

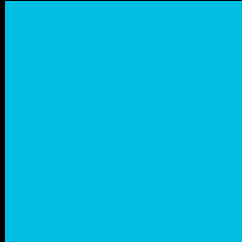
Large Text (above 18pt) WCAG AA × Fail

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 32.0627, 41.9412, 79.0786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

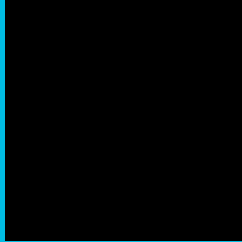
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0627, 41.9412, 79.0786

Background



This preview shows how black text looks on a background with the XYZ color 32.0627, 41.9412, 79.0786.



This preview shows how white text looks on a background with the XYZ color 32.0627, 41.9412,

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

32.0627, 41.9412, 79.0786

Protanopia

41.4126, 41.2859, 69.4046

Deuteranopia

42.5088, 41.5869, 81.3879



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



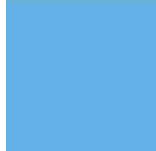
Original Color

32.0627, 41.9412, 79.0786



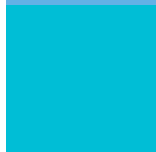
Protanomaly

34.1018, 39.4423, 72.8336



Deuteranomaly

35.1507, 39.8101, 80.6944



Tritanomaly

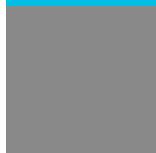
30.5511, 41.6820, 70.0535

Monochromacy



Original Color

32.0627, 41.9412, 79.0786



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

23.0746, 28.7055, 42.3548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0627, 41.9412, 79.0786 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, 189, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 227)  
}
```

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, 189, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.0627, 41.9412, 79.0786 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, 189, 227) }
```


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

```
.border{ border-color:rgb(0, 189, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 189, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 189, 227); box-shadow:4px 4px 4px 4px rgb(0, 189, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0627, 41.9412, 79.0786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 227) }
```

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

```
.background{ background-color: rgb(0, 189,  
227) }
```

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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