

Converting Colors

XYZ(31.9724, 42.1917, 78.5955)

Have a look what the booklet for
XYZ(31.9724, 42.1917, 78.5955)
contains.

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Color

**XYZ(32.1409, 42.3179,
78.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEE2
RGB	0, 190, 226
RGB Percent	0%, 75%, 89%
CMY	0.9998, 0.2549, 0.1137
CMYK	1.00, 0.16, 0.00, 0.11
HSL	190°, 100%, 44%
HSV	190°, 100%, 89%
XYZ	32.1409, 42.3179, 78.4257
YIQ	137.2940, -124.7960, -29.0840

Conversions

Conversions Part 2

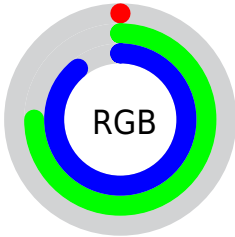
Format	Color
RYB	0, 103, 226
Decimal	48866
CIELab	71.09, -27.04, -29.12
CIELCh	71, 39.742, 227.125
Yxy	42.3179, 0.2102, 0.2768
Android (android.graphics.Color)	4278238946 (0xFF00BEE2)
YUV	137.2940, 43.7321, -120.4068
Hunter-Lab	65.0522, -25.6484, -25.9423

Details

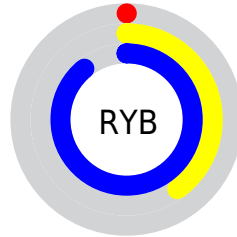
The XYZ color **32.1409, 42.3179, 78.4257** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.9972, 17.4341, 1.6803**, and the grayscale version is **23.7693, 25.0071, 27.2328**.

A 20% lighter version of the original color is **57.4951, 76.9297, 106.4263**, and **16.1548, 20.5486, 41.6429** is the 20% darker color. If you saturate the color by 10%, you get **32.1397, 42.3152, 78.4261**, and if you desaturate by 10%, it is **33.2767, 44.0764, 78.7061**.

Distribution



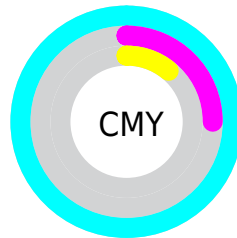
- Red (0%)
- Green (75%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1409, 42.3179, 78.4257 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 32.1409, 42.3179, 78.4257 by changing the saturation by 10% instead.

■ 32.1409, 42.3179,
78.4257

■ 32.1409, 42.3179,
78.4257

303.4945,
355.7991, 509.1775

■ 21.6252, 29.3503,
57.9052

■ 62.3956, 78.6805,
132.9414

■ 13.6968, 19.3460,
41.3183

■ 82.8654, 102.8443,
167.7737

■ 7.9904, 11.9205,
28.2463

■ 107.3838,
131.5090, 208.2136

■ 4.1406, 6.6896,
18.2707

■ 136.3164,
165.0589, 254.6798

■ 1.7820, 3.2687,
10.9731

■ 170.0283,
203.8785, 307.5907

■ 0.5068, 1.2736,
5.9348

208.8851,

■ 0.0000, 0.1206,

248.3521, 367.3650

2.7373

253.2521,
298.8642, 434.4211

■ 0.0000, 0.0000,
0.9621

■ 0.0000, 0.0000,
0.0000

■ 32.1409, 42.3179,
78.4257

■ 32.1409, 42.3179,
78.4257

■ 32.1397, 42.3152,
78.4261

■ 33.2767, 44.0764,
78.7061

■ 34.8337, 46.0800,
79.0108

■ 36.9426, 48.3971,
79.3469

■ 39.6779, 51.0664,
79.7179

■ 43.1022, 54.1202,
80.1269

■ 47.2705, 57.5872,
80.5764

■ 52.2319, 61.4929,
81.0688

■ 58.0315, 65.8606,
81.6061

■ 64.7107, 70.7119,
82.1905

Harmonies

Analogous

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



29.2069, 42.3179, 57.7114



32.1409, 42.3179, 78.4257



37.4419, 42.3179, 91.7378

Triad

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



32.1409, 42.3179, 78.4257



54.0052, 42.3179, 54.7197



36.5763, 42.3179, 19.2109

Complementary

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



32.1409, 42.3179, 78.4257



31.9972, 17.4341, 1.6803

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.



43.1362, 42.3179, 18.8217



32.1409, 42.3179, 78.4257



53.7073, 42.3179, 36.1217

Square

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



32.1409, 42.3179, 78.4257



50.3290, 42.3179, 75.7226



49.5551, 42.3179, 24.1294



31.5675, 42.3179, 25.3974

Rectangle

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



32.1409, 42.3179, 78.4257



41.8273, 42.3179, 92.7501



49.5551, 42.3179, 24.1294



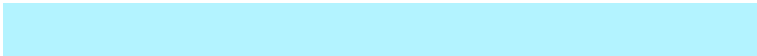
38.6581, 42.3179, 18.4730

Sweetspot

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



32.1423, 42.3194, 78.4267



68.5193, 80.7328, 106.5794



27.4853, 54.5089, 10.5820



14.0474, 16.7993, 22.7522



0.0000, 0.0000, 0.0000



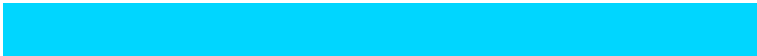
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1423, 42.3194, 78.4267



42.1909, 55.5018, 103.0970



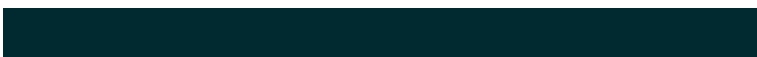
16.5341, 11.1030, 73.2240



13.9209, 15.1809, 17.5842



18.4084, 24.2864, 44.7659



1.3265, 1.7844, 3.1198

Inverse Universe

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



40.6595, 19.8880, 50.4124



53.4252, 26.1341, 66.0965



41.7860, 37.0116, 4.9432



14.1963, 13.8962, 16.8038



23.2319, 11.3598, 28.9507



1.6358, 0.7976, 2.1410

Previews

White Background



This preview shows how the XYZ color 32.1409, 42.3179, 78.4257 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 32.1409, 42.3179, 78.4257 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

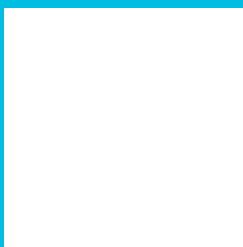
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1409, 42.3179, 78.4257

Background



This preview shows how black text looks on a background with the XYZ color 32.1409, 42.3179, 78.4257.

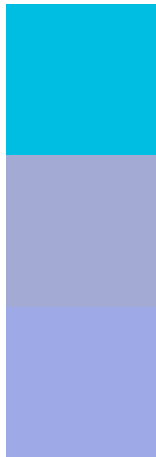


This preview shows how white text looks on a background with the XYZ color 32.1409, 42.3179,

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

32.1409, 42.3179, 78.4257

Protanopia

41.5508, 41.6658, 68.1397

Deuteranopia

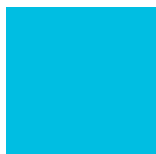
42.8991, 41.7881, 81.4062



Tritanopia

30.1121, 42.2043, 65.5906

Trichromacy



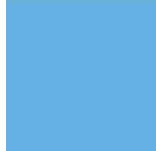
Original Color

32.1409, 42.3179, 78.4257



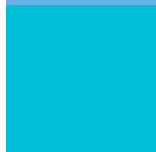
Protanomaly

34.1537, 39.7936, 71.5265



Deuteranomaly

35.2318, 39.8681, 79.9671



Tritanomaly

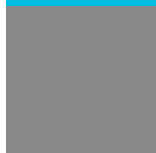
30.7684, 42.1166, 70.1260

Monochromacy



Original Color

32.1409, 42.3179, 78.4257



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.9804, 28.6677, 41.8584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1409, 42.3179, 78.4257 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, 190, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 226)  
}
```

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, 190, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.1409, 42.3179, 78.4257 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, 190, 226) }
```


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

```
.border{ border-color:rgb(0, 190, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1409, 42.3179, 78.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 226) }
```

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

```
.background{ background-color: rgb(0, 190,  
226) }
```

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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