

Converting Colors

XYZ(32.6062, 42.4720, 80.9747)

Have a look what the booklet for
XYZ(32.6062, 42.4720, 80.9747)
contains.

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Color

**XYZ(32.6964, 42.5401,
81.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEE6
RGB	0, 190, 230
RGB Percent	0%, 75%, 90%
CMY	0.9998, 0.2549, 0.0980
CMYK	1.00, 0.17, 0.00, 0.10
HSL	190°, 100%, 45%
HSV	190°, 100%, 90%
XYZ	32.6964, 42.5401, 81.3507
YIQ	137.7500, -126.0800, -27.8400

Conversions

Conversions Part 2

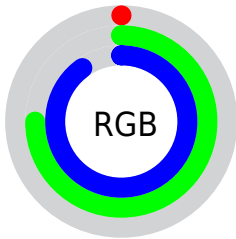
Format	Color
RYB	0, 104, 230
Decimal	48870
CIELab	71.24, -25.70, -31.06
CIELCh	71, 40.318, 230.397
Yxy	42.5401, 0.2088, 0.2717
Android (android.graphics.Color)	4278238950 (0xFF00BEE6)
YUV	137.7500, 45.4793, -120.8067
Hunter-Lab	65.2228, -24.6572, -28.2950

Details

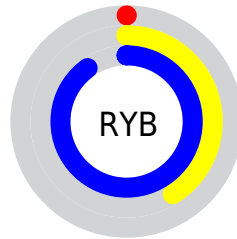
The XYZ color **32.6964, 42.5401, 81.3507** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.3946, 18.3449, 1.7826**, and the grayscale version is **23.9365, 25.1831, 27.4244**.

A 20% lighter version of the original color is **57.6174, 76.9927, 106.4321**, and **16.4441, 20.6643, 43.1663** is the 20% darker color. If you saturate the color by 10%, you get **32.6948, 42.5366, 81.3510**, and if you desaturate by 10%, it is **33.9304, 44.4812, 81.6612**.

Distribution



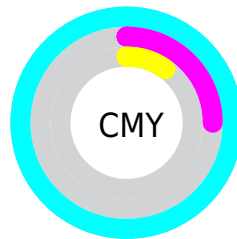
- Red (0%)
- Green (75%)
- Blue (90%)



- Red (0%)
- Yellow (41%)
- Blue (90%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6964, 42.5401, 81.3507 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 32.6964, 42.5401, 81.3507 by changing the saturation by 10% instead.

■ 32.6964, 42.5401,
81.3507

■ 32.6964, 42.5401,
81.3507

305.9687,
356.7170, 519.2995

■ 22.0521, 29.5244,
60.2978

■ 63.2591, 79.0164,
137.0916

■ 14.0120, 19.4779,
43.2318

■ 83.9082, 103.2458,
172.6166

■ 8.2108, 12.0161,
29.7343

■ 108.6229,
131.9819, 213.8028

■ 4.2830, 6.7546,
19.3867

■ 137.7687,
165.6092, 261.0687

■ 1.8635, 3.3091,
11.7704

■ 171.7108,
204.5119, 314.8327

■ 0.5555, 1.2952,
6.4669

210.8146,

■ 0.0000, 0.1375,

249.0745, 375.5135

3.0577

255.4454,
299.6814, 443.5296

■ 0.0000, 0.0000,
1.1241

■ 0.0000, 0.0000,
0.0000

■ 32.6964, 42.5401,
81.3507

■ 32.6964, 42.5401,
81.3507

■ 32.6948, 42.5366,
81.3510

■ 33.9304, 44.4812,
81.6612

■ 35.6076, 46.6856,
81.9983

■ 37.8634, 49.2242,
82.3694

■ 40.7757, 52.1373,
82.7782

■ 44.4098, 55.4589,
83.2278

■ 48.8231, 59.2190,
83.7209

■ 54.0672, 63.4442,
84.2601

■ 60.1890, 68.1591,
84.8475

■ 67.2319, 73.3862,
85.4852

Harmonies

Analogous

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



29.4272, 42.5401, 60.5504



32.6964, 42.5401, 81.3507



38.3021, 42.5401, 93.6036

Triad

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



32.6964, 42.5401, 81.3507



54.6594, 42.5401, 52.8144



36.0678, 42.5401, 19.4445

Complementary

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



32.6964, 42.5401, 81.3507



33.3946, 18.3449, 1.7826

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.



42.6417, 42.5401, 18.4454



32.6964, 42.5401, 81.3507



53.8889, 42.5401, 34.5128

Square

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



32.6964, 42.5401, 81.3507



51.3039, 42.5401, 74.3500



49.3030, 42.5401, 23.1402



31.2178, 42.5401, 26.4017

Rectangle

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



32.6964, 42.5401, 81.3507



42.8258, 42.5401, 93.4605



49.3030, 42.5401, 23.1402



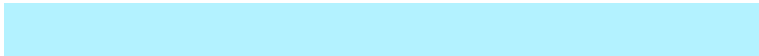
38.1312, 42.5401, 18.4940

Sweetspot

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



32.6978, 42.5416, 81.3518



68.1858, 80.0657, 106.4682



28.6540, 56.7371, 11.3075



13.9668, 16.6380, 22.7253



0.0000, 0.0000, 0.0000



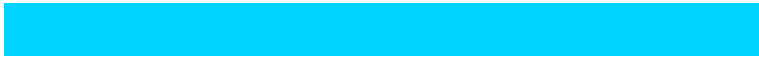
20.3446, 21.4041, 23.3091

Same Dimension

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



32.6978, 42.5416, 81.3518



41.2554, 53.6309, 102.7851



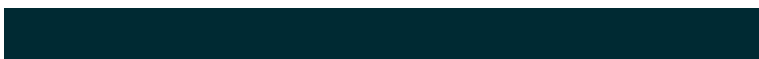
16.9173, 10.9806, 76.0916



14.5830, 15.8873, 18.4423



18.5899, 24.2420, 46.0825



1.4301, 1.9041, 3.4241

Inverse Universe

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



41.9287, 20.5423, 50.4718



52.9530, 25.9452, 63.6100



44.0832, 39.7220, 5.3454



14.8818, 14.5699, 17.5782



23.7768, 11.6450, 28.7835



1.7855, 0.8719, 2.2767

Previews

White Background



This preview shows how the XYZ color 32.6964, 42.5401, 81.3507 looks on a white background.

Color Contrast Check

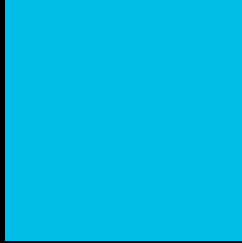
Large Text (above 18pt) WCAG AA × Fail

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 32.6964, 42.5401, 81.3507 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

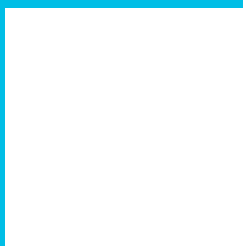
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6964, 42.5401, 81.3507

Background



This preview shows how black text looks on a background with the XYZ color 32.6964, 42.5401, 81.3507.

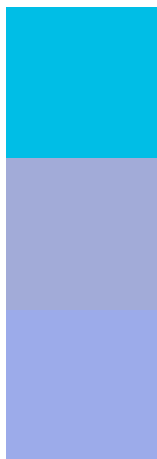


This preview shows how white text looks on a background with the XYZ color 32.6964, 42.5401,

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

32.6964, 42.5401, 81.3507

Protanopia

41.8579, 41.7651, 70.8211

Deuteranopia

43.1245, 42.1343, 83.7017



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

32.6964, 42.5401, 81.3507



Protanomaly

34.5651, 39.9448, 74.2950



Deuteranomaly

35.7740, 40.3766, 82.9988



Tritanomaly

31.2443, 42.6571, 71.5527

Monochromacy



Original Color

32.6964, 42.5401, 81.3507



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.4322, 29.1289, 42.9155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6964, 42.5401, 81.3507 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 230) }
```

Border

The CSS property to change the border of an element to XYZ 32.6964, 42.5401, 81.3507 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, 230) }
```


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

```
.border{ border-color:rgb(0, 190, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6964, 42.5401, 81.3507 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, 230) }
```

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

```
.background{ background-color: rgb(0, 190,  
230) }
```

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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