

Converting Colors

XYZ(34.7782, 58.5404, 81.4221)

Have a look what the booklet for
XYZ(34.7782, 58.5404, 81.4221)
contains.

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Color

**XYZ(42.0243, 62.0846,
81.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6E2
RGB	0, 230, 226
RGB Percent	0%, 90%, 89%
CMY	0.9998, 0.0980, 0.1137
CMYK	1.00, 0.00, 0.02, 0.10
HSL	179°, 100%, 45%
HSV	179°, 100%, 90%
XYZ	42.0243, 62.0846, 81.7201
YIQ	160.7740, -135.7960, -50.0040

Conversions

Conversions Part 2

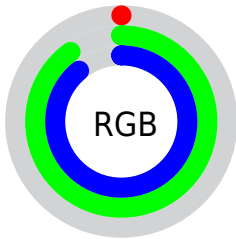
Format	Color
RYB	0, 116, 230
Decimal	59106
CIELab	82.96, -45.63, -11.14
CIELCh	83, 46.973, 193.715
Yxy	62.0846, 0.2261, 0.3341
Android (android.graphics.Color)	4278249186 (0xFF00E6E2)
YUV	160.7740, 32.1564, -140.9988
Hunter-Lab	78.7938, -42.6870, -6.3363

Details

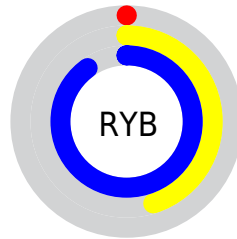
The XYZ color **42.0243, 62.0846, 81.7201** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.6571, 16.8338, 1.6447**, and the grayscale version is **33.6813, 35.4353, 38.5891**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.4867, 33.2124, 43.7535** is the 20% darker color. If you saturate the color by 10%, you get **42.0253, 62.0865, 81.7208**, and if you desaturate by 10%, it is **42.4352, 62.2914, 82.0278**.

Distribution



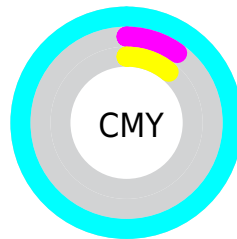
- Red (0%)
- Green (90%)
- Blue (89%)



- Red (0%)
- Yellow (45%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0243, 62.0846, 81.7201 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 42.0243, 62.0846, 81.7201 by changing the saturation by 10% instead.

42.0243, 62.0846,
81.7201

42.0243, 62.0846,
81.7201

345.5736,
432.2396, 520.5698

29.3115, 45.1011,
60.6004

77.5013, 107.8478,
137.6146

19.4621, 31.5370,
43.4743

100.9963,
137.3962, 173.2264

12.1106, 21.0081,
29.9233

128.8160,
171.9018, 214.5060

6.8918, 13.1299,
19.5288

161.3259,
211.7488, 261.8720

3.4402, 7.5181,
11.8723

198.8912,
257.3217, 315.7428

1.3906, 3.7882,
6.5353

241.8773,

0.2495, 1.5558,

309.0049, 376.5370

3.0992

290.6497,
367.1827, 444.6732

■ 0.0000, 0.3275,
1.1455

■ 0.0000, 0.0000,
0.0000

■ 42.0243, 62.0846,
81.7201

■ 42.0243, 62.0846,
81.7201

■ 42.0253, 62.0865,
81.7208

■ 42.4352, 62.2914,
82.0278

■ 43.2650, 62.7129,
82.3544

■ 44.6495, 63.4202,
82.7076

■ 46.6661, 64.4534,
83.0911

■ 49.3802, 65.8461,
83.5079

■ 52.8491, 67.6280,
83.9607

■ 57.1239, 69.8253,
84.4519

■ 62.2515, 72.4622,
84.9836

■ 68.2751, 75.5610,
85.5580

Harmonies

Analogous

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



42.2050, 62.0846, 53.1211



42.0243, 62.0846, 81.7201



46.0106, 62.0846, 113.9905

Triad

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



42.0243, 62.0846, 81.7201



73.5334, 62.0846, 116.5171



64.6467, 62.0846, 26.9222

Complementary

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



42.0243, 62.0846, 81.7201



32.6571, 16.8338, 1.6447

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.



74.2516, 62.0846, 35.8907



42.0243, 62.0846, 81.7201



79.7702, 62.0846, 84.4954

Square

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



42.0243, 62.0846, 81.7201



63.7535, 62.0846, 137.6404



80.0472, 62.0846, 55.2072



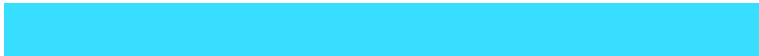
54.5070, 62.0846, 26.5729

Rectangle

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



42.0243, 62.0846, 81.7201



50.7907, 62.0846, 131.0327



80.0472, 62.0846, 55.2072



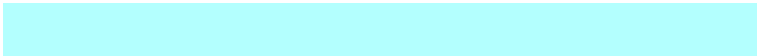
68.0705, 62.0846, 28.8802

Sweetspot

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



42.0262, 62.0869, 81.7216



72.0714, 88.1788, 106.7096



28.3948, 56.6454, 9.4389



14.9104, 18.6087, 22.7827



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.



42.0262, 62.0869, 81.7216



53.1036, 78.4575, 103.2503



21.3296, 19.8046, 77.5638



14.7961, 16.3319, 18.4568



23.7967, 35.1508, 46.2910



1.7620, 2.5989, 3.4391

Inverse Universe

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



32.6571, 16.8338, 1.6447



41.2643, 21.2697, 2.0580



37.9306, 27.4159, 3.2944



14.3871, 14.3720, 14.9730



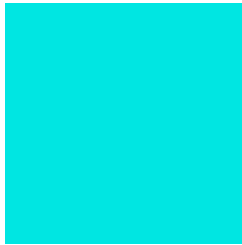
18.4921, 9.5310, 0.9542



1.3701, 0.7058, 0.0895

Previews

White Background



This preview shows how the XYZ color 42.0243, 62.0846, 81.7201 looks on a white background.

Color Contrast Check

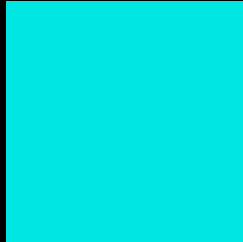
Large Text (above 18pt) WCAG AA × Fail

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 42.0243, 62.0846, 81.7201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

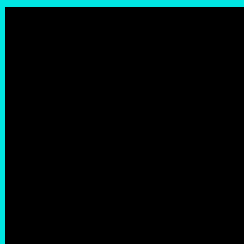
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

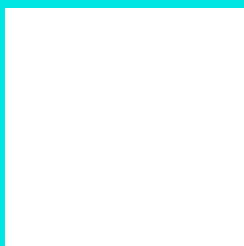
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0243, 62.0846, 81.7201

Background



This preview shows how black text looks on a background with the XYZ color 42.0243, 62.0846, 81.7201.

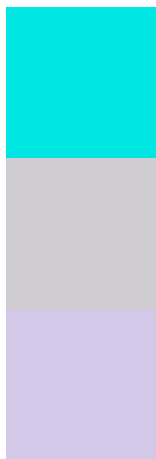


This preview shows how white text looks on a background with the XYZ color 42.0243, 62.0846,

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

42.0243, 62.0846, 81.7201

Protanopia

58.9579, 61.1043, 69.6597

Deuteranopia

62.5136, 61.1888, 85.6066



Tritanopia

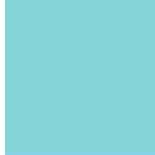
45.0327, 62.0886, 95.9970

Trichromacy



Original Color

42.0243, 62.0846, 81.7201



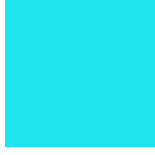
Protanomaly

45.7046, 57.4519, 73.6462



Deuteranomaly

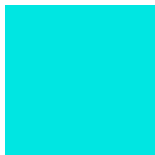
47.5689, 57.4526, 83.4452



Tritanomaly

43.6827, 61.9211, 90.5386

Monochromacy



Original Color

42.0243, 62.0846, 81.7201



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.7954, 41.4454, 52.2229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0243, 62.0846, 81.7201 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, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 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, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.0243, 62.0846, 81.7201 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, 230, 226) }
```


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

```
.border{ border-color:rgb(0, 230, 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, 230, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0243, 62.0846, 81.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 226) }
```

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

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