

Converting Colors

XYZ(42.1113, 61.8971, 82.8638)

Have a look what the booklet for
XYZ(42.1113, 61.8971, 82.8638)
contains.

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Color

**XYZ(42.3004, 62.1951,
83.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6E4
RGB	0, 230, 228
RGB Percent	0%, 90%, 89%
CMY	0.9998, 0.0980, 0.1059
CMYK	1.00, 0.00, 0.01, 0.10
HSL	179°, 100%, 45%
HSV	179°, 100%, 90%
XYZ	42.3004, 62.1951, 83.1742
YIQ	161.0020, -136.4380, -49.3820

Conversions

Conversions Part 2

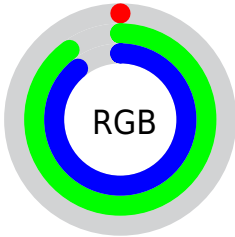
Format	Color
RYB	0, 116, 230
Decimal	59108
CIELab	83.02, -45.05, -12.11
CIELCh	83, 46.652, 195.042
Yxy	62.1951, 0.2254, 0.3314
Android (android.graphics.Color)	4278249188 (0xFF00E6E4)
YUV	161.0020, 33.0300, -141.1988
Hunter-Lab	78.8639, -42.2693, -7.3258

Details

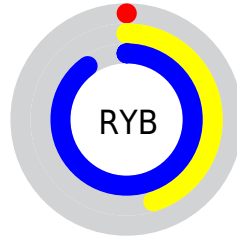
The XYZ color **42.3004, 62.1951, 83.1742** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.6461, 16.8293, 1.5868**, and the grayscale version is **33.7826, 35.5419, 38.7051**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6789, 33.2892, 44.7653** is the 20% darker color. If you saturate the color by 10%, you get **42.3015, 62.1970, 83.1753**, and if you desaturate by 10%, it is **42.6840, 62.3910, 83.3388**.

Distribution



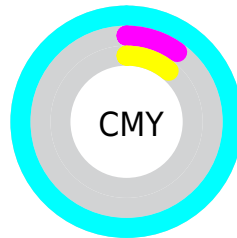
- Red (0%)
- Green (90%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3004, 62.1951, 83.1742 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 42.3004, 62.1951, 83.1742 by changing the saturation by 10% instead.

42.3004, 62.1951,
83.1742

42.3004, 62.1951,
83.1742

346.6972,
432.6424, 525.5531

29.5287, 45.1904,
61.7924

77.9164, 108.0075,
139.6708

19.6274, 31.6074,
44.4303

101.4914,
137.5839, 175.6228

12.2312, 21.0618,
30.6693

129.3982,
172.1196, 217.2685

6.9747, 13.1692,
20.0908

162.0022,
211.9991, 265.0266

3.4924, 7.5452,
12.2763

199.6688,
257.6067, 319.3155

1.4192, 3.8053,
6.8073

242.7632,

0.2699, 1.5653,

309.3269, 380.5539

3.2653

291.6509,
367.5440, 449.1603

■ 0.0000, 0.3340,
1.2316

■ 0.0000, 0.0000,
0.0048

■ 42.3004, 62.1951,
83.1742

■ 42.3004, 62.1951,
83.1742

■ 42.3015, 62.1970,
83.1753

■ 42.6840, 62.3910,
83.3388

■ 43.4865, 62.8015,
83.5217

■ 44.8435, 63.4978,
83.7307

■ 46.8325, 64.5199,
83.9695

■ 49.5189, 65.9016,
84.2411

■ 52.9599, 67.6723,
84.5482

■ 57.2068, 69.8584,
84.8932

■ 62.3064, 72.4841,
85.2782

■ 68.3019, 75.5716,
85.7053

Harmonies

Analogous

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



42.2945, 62.1951, 54.3772



42.3004, 62.1951, 83.1742



46.4480, 62.1951, 115.0918

Triad

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



42.3004, 62.1951, 83.1742



73.9203, 62.1951, 115.0098



64.2606, 62.1951, 26.9980

Complementary

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



42.3004, 62.1951, 83.1742



32.6461, 16.8293, 1.5868

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.



73.8970, 62.1951, 35.5414



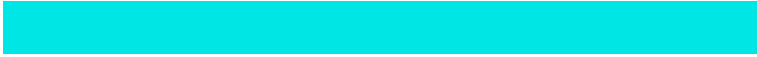
42.3004, 62.1951, 83.1742



79.8902, 62.1951, 83.0840

Square

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



42.3004, 62.1951, 83.1742



64.2896, 62.1951, 136.7291



79.8812, 62.1951, 54.3093



54.2250, 62.1951, 27.0094

Rectangle

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



42.3004, 62.1951, 83.1742



51.3064, 62.1951, 131.5529



79.8812, 62.1951, 54.3093



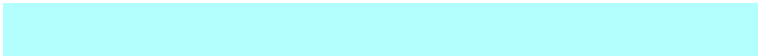
67.6772, 62.1951, 28.8271

Sweetspot

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



42.3023, 62.1974, 83.1757



72.1780, 88.2214, 107.2709



28.3467, 56.6207, 9.4365



14.9364, 18.6191, 22.9196



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.



42.3023, 62.1974, 83.1757



53.4546, 78.5978, 105.0985



20.8646, 18.8746, 77.4089



14.8018, 16.3341, 18.4870



23.9505, 35.2123, 47.1011



1.7716, 2.6028, 3.4899

Inverse Universe

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



32.6461, 16.8293, 1.5868



41.2522, 21.2649, 1.9940



38.3405, 28.2357, 3.4309



14.3821, 14.3700, 14.9465



18.4836, 9.5276, 0.9094



1.3677, 0.7048, 0.0767

Previews

White Background



This preview shows how the XYZ color 42.3004, 62.1951, 83.1742 looks on a white background.

Color Contrast Check

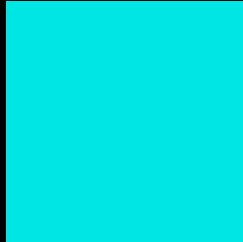
Large Text (above 18pt) WCAG AA × Fail

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 42.3004, 62.1951, 83.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

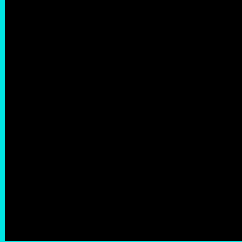
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

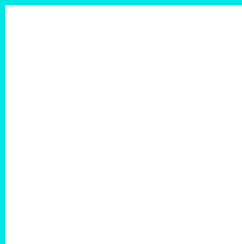
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3004, 62.1951, 83.1742

Background



This preview shows how black text looks on a background with the XYZ color 42.3004, 62.1951, 83.1742.



This preview shows how white text looks on a background with the XYZ color 42.3004, 62.1951,

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

42.3004, 62.1951, 83.1742

Protanopia

59.2087, 61.2046, 70.9804

Deuteranopia

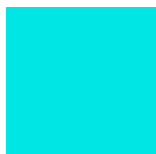
62.5136, 61.1556, 87.1066



Tritanopia

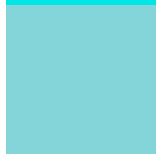
45.1423, 62.1275, 96.8013

Trichromacy



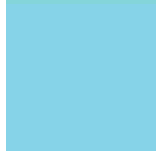
Original Color

42.3004, 62.1951, 83.1742



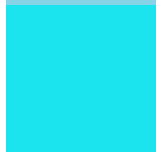
Protanomaly

45.9649, 57.5560, 75.0165



Deuteranomaly

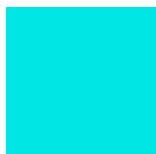
47.6913, 57.4831, 84.9257



Tritanomaly

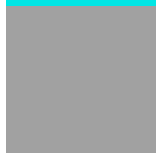
43.8023, 61.9657, 91.3133

Monochromacy



Original Color

42.3004, 62.1951, 83.1742



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 42.3004, 62.1951, 83.1742 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 228) }
```

Border

The CSS property to change the border of an element to XYZ 42.3004, 62.1951, 83.1742 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, 228) }
```


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

```
.border{ border-color:rgb(0, 230, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3004, 62.1951, 83.1742 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, 228) }
```

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

```
.background{ background-color: rgb(0, 230,  
228) }
```

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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