

Converting Colors

XYZ(35.0963, 47.3397, 82.1515)

Have a look what the booklet for
XYZ(35.0963, 47.3397, 82.1515)
contains.

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Color

**XYZ(35.1696, 47.4865,
82.1751)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9E6
RGB	0, 201, 230
RGB Percent	0%, 79%, 90%
CMY	0.9998, 0.2118, 0.0980
CMYK	1.00, 0.13, 0.00, 0.10
HSL	188°, 100%, 45%
HSV	188°, 100%, 90%
XYZ	35.1696, 47.4865, 82.1751
YIQ	144.2070, -129.1050, -33.5930

Conversions

Conversions Part 2

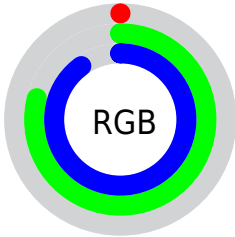
Format	Color
RYB	0, 107, 230
Decimal	51686
CIELab	74.50, -31.13, -26.06
CIElCh	74, 40.593, 219.935
Yxy	47.4865, 0.2134, 0.2881
Android (android.graphics.Color)	4278241766 (0xFF00C9E6)
YUV	144.2070, 42.2959, -126.4695
Hunter-Lab	68.9104, -29.4928, -22.4655

Details

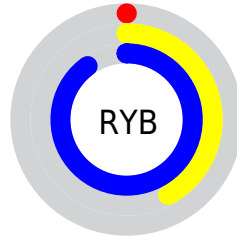
The XYZ color **35.1696, 47.4865, 82.1751** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.0747, 17.7050, 1.6759**, and the grayscale version is **26.4727, 27.8513, 30.3301**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.0737, 23.9234, 43.7095** is the 20% darker color. If you saturate the color by 10%, you get **35.1686, 47.4842, 82.1756**, and if you desaturate by 10%, it is **36.2078, 49.0359, 82.4204**.

Distribution



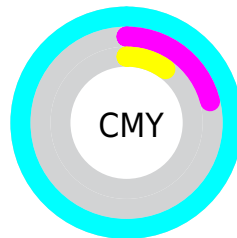
- Red (0%)
- Green (79%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1696, 47.4865, 82.1751 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 35.1696, 47.4865, 82.1751 by changing the saturation by 10% instead.


 35.1696, 47.4865,
82.1751


 35.1696, 47.4865,
82.1751


316.8112,
376.7531, 522.1320


 23.9607, 33.4204,
60.9732


 67.0807, 86.4394,
138.2584


 15.4290, 22.4487,
43.7731

 88.5136, 112.0949,
173.9769


 9.2093, 14.1870,
30.1563


 114.0852,
142.3824, 215.3714

 4.9362, 8.2508,
19.7042

 144.1609,
177.6863, 262.8604

 2.2442, 4.2559,
11.9983

 179.1060,
218.3909, 316.8624

 0.7659, 1.8177,
6.6200

219.2858,

 0.0000, 0.4982,

264.8807, 377.7959

3.1508

265.0658,
317.5399, 446.0797

■ 0.0000, 0.0000,
1.1721

■ 0.0000, 0.0000,
0.0000

■ 35.1696, 47.4865,
82.1751

■ 35.1696, 47.4865,
82.1751

■ 35.1686, 47.4842,
82.1756

■ 36.2078, 49.0359,
82.4204

■ 37.6779, 50.8262,
82.6885

■ 39.7154, 52.9282,
82.9868

■ 42.3980, 55.3819,
83.3190

■ 45.7909, 58.2212,
83.6882

■ 49.9515, 61.4757,
84.0971

■ 54.9311, 65.1720,
84.5481

■ 60.7767, 69.3343,
85.0434

■ 67.5313, 73.9851,
85.5851

Harmonies

Analogous

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



32.6295, 47.4865, 58.9842



35.1696, 47.4865, 82.1751



40.4709, 47.4865, 99.6259

Triad

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



35.1696, 47.4865, 82.1751



59.7054, 47.4865, 66.8218



42.7468, 47.4865, 21.2719

Complementary

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



35.1696, 47.4865, 82.1751



33.0747, 17.7050, 1.6759

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.



50.1433, 47.4865, 22.3084



35.1696, 47.4865, 82.1751



60.4847, 47.4865, 45.0503

Square

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



35.1696, 47.4865, 82.1751



54.7970, 47.4865, 89.2293



56.8235, 47.4865, 29.8861



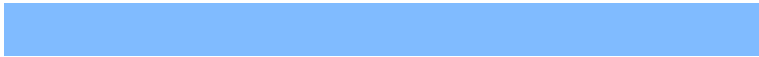
36.6804, 47.4865, 26.5246

Rectangle

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



35.1696, 47.4865, 82.1751



45.1185, 47.4865, 103.4667



56.8235, 47.4865, 29.8861



45.1505, 47.4865, 20.9390

Sweetspot

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



35.1711, 47.4882, 82.1763



69.2841, 82.2624, 106.8343



28.4945, 56.6733, 10.4673



14.2326, 17.1696, 22.8139



0.0000, 0.0000, 0.0000



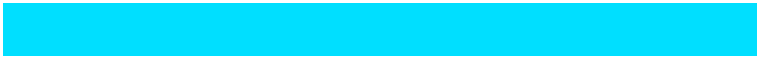
20.3446, 21.4041, 23.3091

Same Dimension

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



35.1711, 47.4882, 82.1763



44.3952, 59.9105, 103.8317



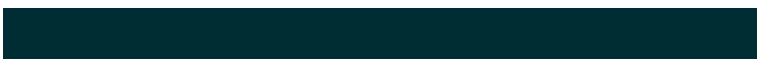
17.7904, 12.7268, 76.3827



14.6442, 16.0099, 18.4627



19.9728, 27.0076, 46.5435



1.5195, 2.0830, 3.4539

Inverse Universe

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



43.1771, 21.0417, 57.0458



54.5379, 26.5791, 71.9556



42.2857, 36.1270, 4.7463



14.9128, 14.5823, 17.7410



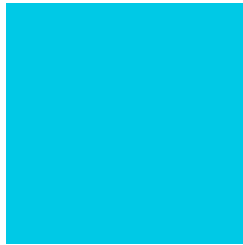
24.4748, 11.9242, 32.4591



1.8306, 0.8900, 2.5146

Previews

White Background



This preview shows how the XYZ color 35.1696, 47.4865, 82.1751 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 35.1696, 47.4865, 82.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

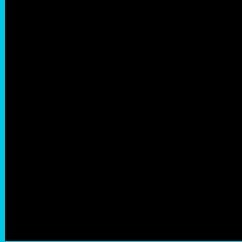
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1696, 47.4865, 82.1751

Background



This preview shows how black text looks on a background with the XYZ color 35.1696, 47.4865, 82.1751.

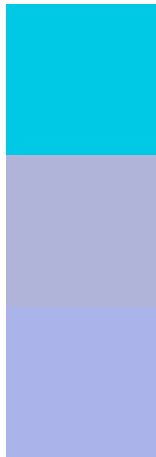


This preview shows how white text looks on a background with the XYZ color 35.1696, 47.4865,

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

35.1696, 47.4865, 82.1751

Protanopia

46.3951, 46.7143, 71.5372

Deuteranopia

47.9101, 46.8963, 85.1240



Tritanopia

33.9067, 47.3555, 74.3713

Trichromacy



Original Color

35.1696, 47.4865, 82.1751

Protanomaly

37.5899, 44.5664, 75.0276

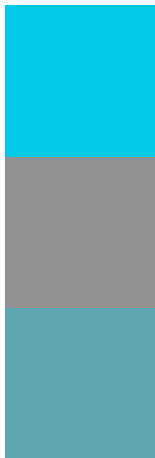
Deuteranomaly

38.7850, 44.6751, 83.6698

Tritanomaly

34.4398, 47.5688, 77.1786

Monochromacy



Original Color

35.1696, 47.4865, 82.1751

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.6066, 32.2807, 45.4386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1696, 47.4865, 82.1751 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, 201, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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, 201, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.1696, 47.4865, 82.1751 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, 201, 230) }
```


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

```
.border{ border-color:rgb(0, 201, 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, 201, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1696, 47.4865, 82.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 230) }
```

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

```
.background{ background-color: rgb(0, 201,  
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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