

Converting Colors

XYZ(12.6264, 27.9561, 64.4258)

Have a look what the booklet for
XYZ(12.6264, 27.9561, 64.4258)
contains.

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Color

**XYZ(26.7151, 35.2140,
65.0635)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFD0
RGB	0, 175, 208
RGB Percent	0%, 69%, 82%
CMY	0.9998, 0.3137, 0.1843
CMYK	1.00, 0.16, 0.00, 0.18
HSL	190°, 100%, 41%
HSV	190°, 100%, 82%
XYZ	26.7151, 35.2140, 65.0635
YIQ	126.4370, -114.8930, -26.8370

Conversions

Conversions Part 2

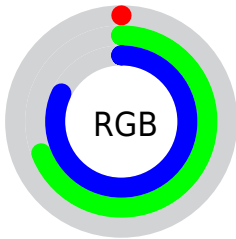
Format	Color
RYB	0, 95, 208
Decimal	45008
CIELab	65.91, -25.56, -27.22
CIELCh	66, 37.341, 226.808
Yxy	35.2140, 0.2104, 0.2773
Android (android.graphics.Color)	4278235088 (0xFF00AFD0)
YUV	126.4370, 40.2106, -110.8852
Hunter-Lab	59.3414, -23.4879, -23.4682

Details

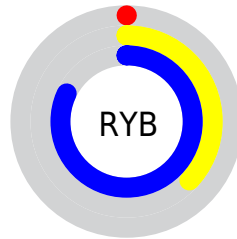
The XYZ color **26.7151, 35.2140, 65.0635** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **26.5580, 14.5002, 1.4003**, and the grayscale version is **19.8801, 20.9154, 22.7769**.

A 20% lighter version of the original color is **52.2194, 67.2554, 104.8371**, and **12.7923, 16.2522, 33.0346** is the 20% darker color. If you saturate the color by 10%, you get **26.7144, 35.2122, 65.0639**, and if you desaturate by 10%, it is **27.6720, 36.6733, 65.2954**.

Distribution



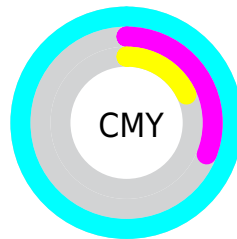
- Red (0%)
- Green (69%)
- Blue (82%)



- Red (0%)
- Yellow (37%)
- Blue (82%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7151, 35.2140, 65.0635 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 26.7151, 35.2140, 65.0635 by changing the saturation by 10% instead.

■ 26.7151, 35.2140,
65.0635

■ 26.7151, 35.2140,
65.0635

278.4678,
325.5119, 461.3326

■ 17.4948, 23.8278,
47.0609

■ 53.8495, 67.8172,
113.7553

■ 10.6854, 15.2059,
32.7291

■ 72.4943, 89.8029,
145.2816

■ 5.9214, 8.9640,
21.6496

■ 95.0114, 116.0905,
182.1528

■ 2.8376, 4.7177,
13.4038

■ 121.7661,
147.0645, 224.7876

■ 1.0685, 2.0826,
7.5732

■ 153.1237,
183.1093, 273.6044

■ 0.0000, 0.6548,
3.7393

189.4496,

■ 0.0000, 0.0000,

224.6092, 329.0218

1.4834

231.1092,
271.9486, 391.4584

■ 0.0000, 0.0000,
0.2055

■ 0.0000, 0.0000,
0.0000

■ 26.7151, 35.2140,
65.0635

■ 26.7151, 35.2140,
65.0635

■ 26.7144, 35.2122,
65.0639

■ 27.6720, 36.6733,
65.2954

■ 28.9725, 38.3326,
65.5472

■ 30.7288, 40.2505,
65.8248

■ 33.0011, 42.4582,
66.1312

■ 35.8406, 44.9822,
66.4687

■ 39.2917, 47.8456,
66.8395

■ 43.3947, 51.0694,
67.2455

■ 48.1862, 54.6725,
67.6884

■ 53.7002, 58.6727,
68.1699

Harmonies

Analogous

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



24.2988, 35.2140, 47.8260



26.7151, 35.2140, 65.0635



31.1045, 35.2140, 76.2281

Triad

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



26.7151, 35.2140, 65.0635



44.9099, 35.2140, 45.7096



30.4920, 35.2140, 15.9758

Complementary

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



26.7151, 35.2140, 65.0635



26.5580, 14.5002, 1.4003

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.



35.9522, 35.2140, 15.7003



26.7151, 35.2140, 65.0635



44.6992, 35.2140, 30.2029

Square

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



26.7151, 35.2140, 65.0635



41.8242, 35.2140, 63.1516



41.2768, 35.2140, 20.1688



26.3094, 35.2140, 21.0662

Rectangle

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



26.7151, 35.2140, 65.0635



34.7446, 35.2140, 77.1617



41.2768, 35.2140, 20.1688



32.2267, 35.2140, 15.3782

Sweetspot

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



26.7163, 35.2152, 65.0644



68.5340, 80.7622, 106.5843



22.8072, 45.2128, 8.8377



14.0510, 16.8064, 22.7533



0.0000, 0.0000, 0.0000



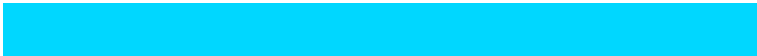
20.3446, 21.4041, 23.3091

Same Dimension

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



26.7163, 35.2152, 65.0644



42.2325, 55.5851, 103.1108



13.7572, 9.2970, 60.7447



11.9920, 13.0742, 15.1352



16.7086, 22.0638, 40.5706



0.9781, 1.3215, 2.2831

Inverse Universe

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



33.7513, 16.5063, 41.9658



53.4462, 26.1425, 66.2071



34.7071, 30.7985, 4.1167



12.2268, 11.9755, 14.4704



21.0644, 10.2986, 26.3093



1.2000, 0.5847, 1.5877

Previews

White Background



This preview shows how the XYZ color 26.7151, 35.2140, 65.0635 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 26.7151, 35.2140, 65.0635 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

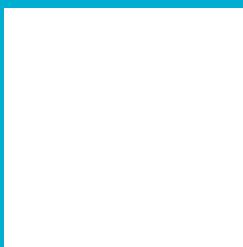
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.7151, 35.2140, 65.0635

Background



This preview shows how black text looks on a background with the XYZ color 26.7151, 35.2140, 65.0635.

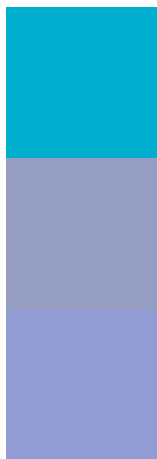


This preview shows how white text looks on a background with the XYZ color 26.7151, 35.2140,

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

26.7151, 35.2140, 65.0635

Protanopia

34.7683, 34.9233, 57.1329

Deuteranopia

35.6177, 34.8872, 67.1440



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



Original Color

26.7151, 35.2140, 65.0635



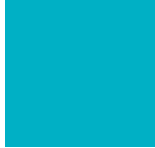
Protanomaly

28.4201, 33.1539, 59.5450



Deuteranomaly

29.4470, 33.5294, 66.5478



Tritanomaly

25.6034, 35.0819, 58.2454

Monochromacy



Original Color

26.7151, 35.2140, 65.0635



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.2823, 24.0523, 35.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7151, 35.2140, 65.0635 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, 175, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 208)  
}
```

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, 175, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 208) }
```

Border

The CSS property to change the border of an element to XYZ 26.7151, 35.2140, 65.0635 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, 175, 208) }
```


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

```
.border{ border-color:rgb(0, 175, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7151, 35.2140, 65.0635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 208) }
```

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

```
.background{ background-color: rgb(0, 175,  
208) }
```

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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