

Converting Colors

XYZ(25.9302, 34.8094, 69.6304)

Have a look what the booklet for
XYZ(25.9302, 34.8094, 69.6304)
contains.

XYZ(27.5957, 35.5662, 69.7005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.5957, 35.5662,
69.7005)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFD7
RGB	0, 175, 215
RGB Percent	0%, 69%, 84%
CMY	0.9998, 0.3137, 0.1569
CMYK	1.00, 0.19, 0.00, 0.16
HSL	191°, 100%, 42%
HSV	191°, 100%, 84%
XYZ	27.5957, 35.5662, 69.7005
YIQ	127.2350, -117.1400, -24.6600

Conversions

Conversions Part 2

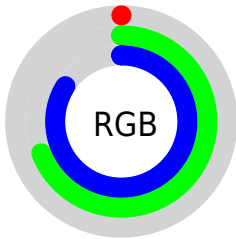
Format	Color
RYB	0, 96, 215
Decimal	45015
CIELab	66.19, -23.17, -30.67
CIELCh	66, 38.435, 232.925
Yxy	35.5662, 0.2077, 0.2677
Android (android.graphics.Color)	4278235095 (0xFF00AFD7)
YUV	127.2350, 43.2681, -111.5851
Hunter-Lab	59.6374, -21.7691, -27.5483

Details

The XYZ color **27.5957, 35.5662, 69.7005** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.7855, 15.9684, 1.5666**, and the grayscale version is **20.1441, 21.1931, 23.0793**.

A 20% lighter version of the original color is **52.3348, 67.3149, 104.8425**, and **13.3047, 16.4571, 35.7330** is the 20% darker color. If you saturate the color by 10%, you get **27.5944, 35.5633, 69.7007**, and if you desaturate by 10%, it is **28.7077, 37.3133, 69.9798**.

Distribution



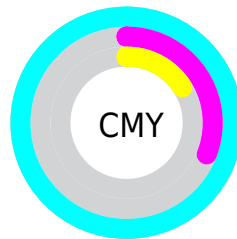
- Red (0%)
- Green (69%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5957, 35.5662, 69.7005 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 27.5957, 35.5662, 69.7005 by changing the saturation by 10% instead.

■ 27.5957, 35.5662,
69.7005

■ 27.5957, 35.5662,
69.7005

282.6452,
327.0605, 478.2584

■ 18.1600, 24.0994,
50.8071

■ 55.2515, 68.3620,
120.4587

■ 11.1653, 15.4073,
35.6795

■ 74.2023, 90.4597,
153.1605

■ 6.2462, 9.1058,
23.8990

■ 97.0555, 116.8698,
191.3022

■ 3.0375, 4.8102,
15.0472

■ 124.1765,
147.9768, 235.3024

■ 1.1736, 2.1364,
8.7055

■ 155.9306,
184.1649, 285.5796

■ 0.0854, 0.6850,
4.4554

192.6832,

■ 0.0000, 0.0000,

225.8187, 342.5523

1.8784

234.7996,
273.3224, 406.6390

■ 0.0000, 0.0000,
0.4789

■ 0.0000, 0.0000,
0.0000

■ 27.5957, 35.5662,
69.7005

■ 27.5957, 35.5662,
69.7005

■ 27.5944, 35.5633,
69.7007

■ 28.7077, 37.3133,
69.9798

■ 30.1986, 39.2896,
70.2827

■ 32.1877, 41.5576,
70.6156

■ 34.7405, 44.1513,
70.9817

■ 37.9125, 47.0996,
71.3836

■ 41.7523, 50.4279,
71.8237

■ 46.3035, 54.1587,
72.3039

■ 51.6059, 58.3131,
72.8263

■ 57.6963, 62.9102,
73.3927

Harmonies

Analogous

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



24.6495, 35.5662, 52.3427



27.5957, 35.5662, 69.7005



32.4674, 35.5662, 79.1704

Triad

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



27.5957, 35.5662, 69.7005



45.9417, 35.5662, 42.7380



29.6972, 35.5662, 16.3493

Complementary

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



27.5957, 35.5662, 69.7005



28.7855, 15.9684, 1.5666

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.



35.1781, 35.5662, 15.1160



27.5957, 35.5662, 69.7005



44.9850, 35.5662, 27.7021

Square

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



27.5957, 35.5662, 69.7005



43.3652, 35.5662, 60.9987



40.8813, 35.5662, 18.6323



25.7639, 35.5662, 22.6654

Rectangle

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



27.5957, 35.5662, 69.7005



36.3259, 35.5662, 78.2743



40.8813, 35.5662, 18.6323



31.4028, 35.5662, 15.4162

Sweetspot

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



27.5969, 35.5674, 69.7014



67.9106, 79.5154, 106.3765



24.6752, 48.7513, 10.0691



13.9003, 16.5051, 22.7031



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.



27.5969, 35.5674, 69.7014



40.4958, 52.1116, 102.5319



14.3409, 9.0554, 65.2827



12.5866, 13.6966, 15.9178



16.5773, 21.4163, 41.7132



1.0519, 1.3958, 2.5333

Inverse Universe

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



35.7633, 17.5436, 42.0598



52.5696, 25.7918, 61.5909



38.4484, 35.2943, 4.7875



12.8493, 12.5912, 15.1466



21.4263, 10.5068, 25.3467



1.3186, 0.6442, 1.6671

Previews

White Background



This preview shows how the XYZ color 27.5957, 35.5662, 69.7005 looks on a white background.

Color Contrast Check

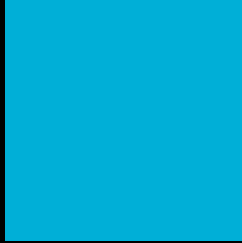
Large Text (above 18pt) WCAG AA × Fail

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 27.5957, 35.5662, 69.7005 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

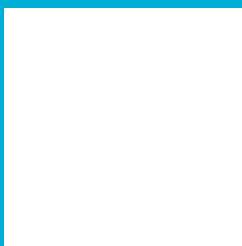
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5957, 35.5662, 69.7005

Background



This preview shows how black text looks on a background with the XYZ color 27.5957, 35.5662, 69.7005.

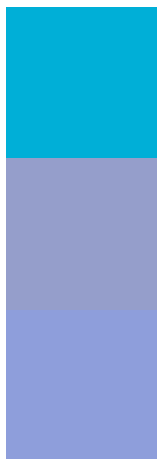


This preview shows how white text looks on a background with the XYZ color 27.5957, 35.5662,

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

27.5957, 35.5662, 69.7005

Protanopia

35.4008, 35.1551, 61.4197

Deuteranopia

36.1684, 35.3190, 71.9288



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

27.5957, 35.5662, 69.7005



Protanomaly

29.2573, 33.4888, 63.9534



Deuteranomaly

30.1468, 33.7865, 71.2622



Tritanomaly

26.1475, 35.6144, 60.1397

Monochromacy



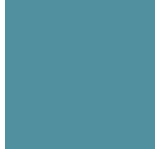
Original Color

27.5957, 35.5662, 69.7005



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.6246, 24.1991, 36.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5957, 35.5662, 69.7005 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 215) }
```

Border

The CSS property to change the border of an element to XYZ 27.5957, 35.5662, 69.7005 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, 215) }
```


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

```
.border{ border-color:rgb(0, 175, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5957, 35.5662, 69.7005 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, 215) }
```

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

```
.background{ background-color: rgb(0, 175,  
215) }
```

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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