

Converting Colors

XYZ(27.8423, 35.7492, 70.3976)

Have a look what the booklet for
XYZ(27.8423, 35.7492, 70.3976)
contains.

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Color

**XYZ(27.7997, 35.6565,
70.3829)**

Conversions

Conversions Part 1

Format	Color
Hex	06AFD8
RGB	6, 175, 216
RGB Percent	2%, 69%, 85%
CMY	0.9763, 0.3137, 0.1529
CMYK	0.97, 0.19, 0.00, 0.15
HSL	192°, 95%, 44%
HSV	192°, 97%, 85%
XYZ	27.7997, 35.6565, 70.3829
YIQ	129.1430, -113.8850, -23.0770

Conversions

Conversions Part 2

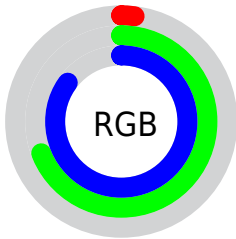
Format	Color
RYB	6, 100, 216
Decimal	438232
CIELab	66.26, -22.66, -31.11
CIELCh	66, 38.483, 233.931
Yxy	35.6565, 0.2077, 0.2664
Android (android.graphics.Color)	4278628312 (0xFF06AFD8)
YUV	129.1430, 42.8205, -107.9964
Hunter-Lab	59.7131, -21.3963, -28.0851

Details

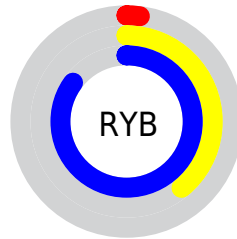
The XYZ color **27.7997, 35.6565, 70.3829** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.3708, 16.6492, 1.8393**, and the grayscale version is **20.8052, 21.8887, 23.8368**.

A 20% lighter version of the original color is **52.4516, 67.3751, 104.8479**, and **13.3926, 16.4923, 36.1957** is the 20% darker color. If you saturate the color by 10%, you get **27.4963, 35.1608, 70.3039**, and if you desaturate by 10%, it is **29.0284, 37.5284, 70.6802**.

Distribution



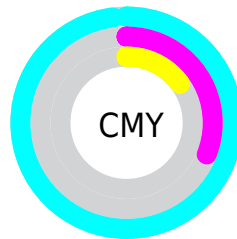
- Red (2%)
- Green (69%)
- Blue (85%)



- Red (2%)
- Yellow (39%)
- Blue (85%)



- Cyan (97%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (98%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7997, 35.6565, 70.3829 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 27.7997, 35.6565, 70.3829 by changing the saturation by 10% instead.

■ 27.7997, 35.6565,
70.3829

■ 27.7997, 35.6565,
70.3829

283.6060,
327.4567, 480.7187

■ 18.3144, 24.1690,
51.3600

■ 55.5754, 68.5016,
121.4409

■ 11.2770, 15.4590,
36.1165

■ 74.5965, 90.6279,
154.3130

■ 6.3221, 9.1422,
24.2338

■ 97.5269, 117.0694,
192.6387

■ 3.0844, 4.8340,
15.2933

■ 124.7320,
148.2103, 236.8364

■ 1.1986, 2.1502,
8.8766

■ 156.5771,
184.4351, 287.3248

■ 0.1052, 0.6926,
4.5651

193.4275,

■ 0.0000, 0.0000,

226.1282, 344.5222

1.9402

235.6487,
273.6739, 408.8474

■ 0.0000, 0.0000,
0.5181

■ 0.0000, 0.0000,
0.0000

■ 27.7997, 35.6565,
70.3829

■ 27.7997, 35.6565,
70.3829

■ 27.4963, 35.1608,
70.3039

■ 29.0284, 37.5284,
70.6802

■ 30.6975, 39.6651,
71.0046

■ 32.8922, 42.1116,
71.3612

■ 35.6756, 44.9005,
71.7528

■ 39.1015, 48.0602,
72.1821

■ 43.2176, 51.6153,
72.6514

■ 48.0670, 55.5885,
73.1627

■ 53.6889, 60.0003,
73.7179

■ 60.1200, 64.8700,
74.3189

Harmonies

Analogous

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



24.7714, 35.6565, 53.1069



27.7997, 35.6565, 70.3829



32.7371, 35.6565, 79.4937

Triad

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



27.7997, 35.6565, 70.3829



46.0909, 35.6565, 42.2618



29.6082, 35.6565, 16.5088

Complementary

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



27.7997, 35.6565, 70.3829



29.3708, 16.6492, 1.8393

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.



35.0705, 35.6565, 15.1139



27.7997, 35.6565, 70.3829



45.0108, 35.6565, 27.3631

Square

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



27.7997, 35.6565, 70.3829



43.6159, 35.6565, 60.5619



40.8115, 35.6565, 18.4712



25.7301, 35.6565, 23.0311

Rectangle

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



27.7997, 35.6565, 70.3829



36.6173, 35.6565, 78.2864



40.8115, 35.6565, 18.4712



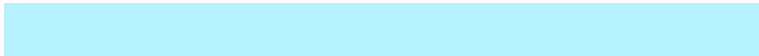
31.3024, 35.6565, 15.5186

Sweetspot

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



27.8009, 35.6577, 70.3838



68.4428, 79.6997, 106.3840



25.0967, 49.3372, 10.6368



13.9911, 16.5214, 22.7015



0.0000, 0.0000, 0.0000



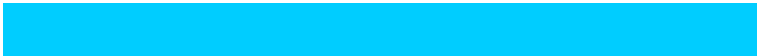
20.3446, 21.4041, 23.3091

Same Dimension

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



27.8009, 35.6577, 70.3838



39.9302, 50.9804, 102.3434



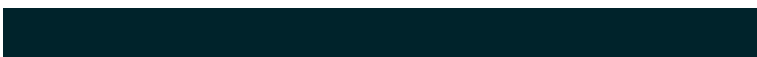
14.8226, 9.7011, 66.0577



12.5766, 13.6765, 15.9145



16.3514, 20.9646, 41.6379



1.0401, 1.3723, 2.5294

Inverse Universe

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



36.1229, 17.8256, 42.0954



52.2841, 25.6776, 60.0875



39.1817, 36.2710, 5.1096



12.8442, 12.5892, 15.1199



21.3123, 10.4612, 24.7463



1.3127, 0.6419, 1.6359

Previews

White Background



This preview shows how the XYZ color 27.7997, 35.6565, 70.3829 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 27.7997, 35.6565, 70.3829 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

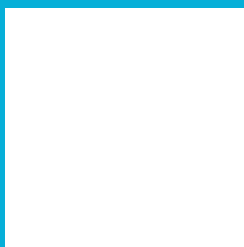
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7997, 35.6565, 70.3829

Background



This preview shows how black text looks on a background with the XYZ color 27.7997, 35.6565, 70.3829.

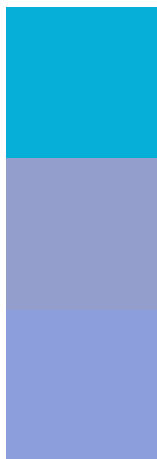


This preview shows how white text looks on a background with the XYZ color 27.7997, 35.6565,

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

27.7997, 35.6565, 70.3829

Protanopia

35.3387, 35.1093, 62.0410

Deuteranopia

36.1296, 35.2837, 72.6164



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

27.7997, 35.6565, 70.3829



Protanomaly

29.4845, 33.5918, 64.6044



Deuteranomaly

30.4753, 33.9407, 71.9628



Tritanomaly

26.2898, 35.6742, 60.7585

Monochromacy



Original Color

27.7997, 35.6565, 70.3829



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.3681, 25.0158, 37.4732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7997, 35.6565, 70.3829 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(6, 175, 216)` looks like.

```
.text, #text, p{  
    color:rgb(6, 175, 216)  
}
```

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(6, 175, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 175, 216) }
```

Border

The CSS property to change the border of an element to XYZ 27.7997, 35.6565, 70.3829 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(6, 175, 216) }
```


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

```
.border{ border-color:rgb(6, 175, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 175, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 175, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 175, 216);  
box-shadow:4px 4px 4px 4px rgb(6, 175,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7997, 35.6565, 70.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 175, 216) }
```

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

```
.background{ background-color: rgb(6, 175,  
216) }
```

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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