

Converting Colors

XYZ(28.8394, 37.6150, 68.4888)

Have a look what the booklet for
XYZ(28.8394, 37.6150, 68.4888)
contains.

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Color

**XYZ(28.9587, 37.7699,
68.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	21B4D5
RGB	33, 180, 213
RGB Percent	13%, 71%, 84%
CMY	0.8705, 0.2941, 0.1647
CMYK	0.84, 0.15, 0.00, 0.16
HSL	191°, 73%, 48%
HSV	191°, 84%, 84%
XYZ	28.9587, 37.7699, 68.7148
YIQ	139.8090, -98.2050, -20.9010

Conversions

Conversions Part 2

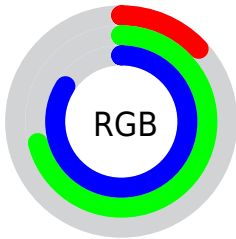
Format	Color
RYB	33, 114, 213
Decimal	2208981
CIELab	67.85, -24.98, -26.98
CIELCh	68, 36.768, 227.207
Yxy	37.7699, 0.2138, 0.2789
Android (android.graphics.Color)	4280399061 (0xFF21B4D5)
YUV	139.8090, 36.0832, -93.6715
Hunter-Lab	61.4572, -23.4408, -23.2716

Details

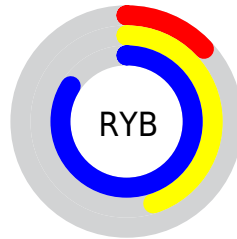
The XYZ color **28.9587, 37.7699, 68.7148** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.6651, 18.1550, 3.3811**, and the grayscale version is **24.7477, 26.0365, 28.3538**.

A 20% lighter version of the original color is **54.8555, 70.7216, 105.3672**, and **13.7609, 17.6474, 35.0288** is the 20% darker color. If you saturate the color by 10%, you get **27.7025, 35.9690, 68.4341**, and if you desaturate by 10%, it is **30.6703, 39.8399, 69.0249**.

Distribution



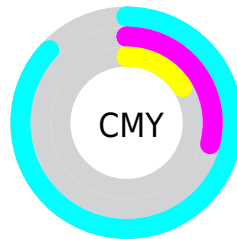
- Red (13%)
- Green (71%)
- Blue (84%)



- Red (13%)
- Yellow (45%)
- Blue (84%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (87%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9587, 37.7699, 68.7148 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 28.9587, 37.7699, 68.7148 by changing the saturation by 10% instead.

■ 28.9587, 37.7699,
68.7148

■ 28.9587, 37.7699,
68.7148

289.0178,
336.6319, 474.6911

■ 19.1937, 25.8042,
50.0092

■ 57.4095, 71.7553,
119.0380

■ 11.9152, 16.6772,
35.0494

■ 76.8260, 94.5438,
151.4926

■ 6.7577, 10.0046,
23.4171

■ 100.1903,
121.7086, 189.3674

■ 3.3560, 5.4020,
14.6936

■ 127.8679,
153.6342, 233.0807

■ 1.3447, 2.4850,
8.4604

■ 160.2241,
190.7049, 283.0512

■ 0.2163, 0.8691,
4.2990

197.6243,

■ 0.0000, 0.0000,

233.3051, 339.6974

1.7908

240.4337,
281.8193, 403.4379

■ 0.0000, 0.0000,
0.4218

■ 0.0000, 0.0000,
0.0000

■ 28.9587, 37.7699,
68.7148

■ 28.9587, 37.7699,
68.7148

■ 27.7025, 35.9690,
68.4341

■ 30.6703, 39.8399,
69.0249

■ 27.1364, 35.0561,
68.2878

■ 32.9041, 42.2117,
69.3649

■ 35.7196, 44.9168,
69.7387

■ 39.1668, 47.9814,
70.1485

■ 43.2904, 51.4287,
70.5966

■ 48.1310, 55.2799,
71.0848

■ 53.7257, 59.5543,
71.6150

■ 60.1091, 64.2702,
72.1888

■ 67.3137, 69.4444,
72.8078

Harmonies

Analogous

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



26.4175, 37.7699, 51.1233



28.9587, 37.7699, 68.7148



33.5275, 37.7699, 79.9398

Triad

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



28.9587, 37.7699, 68.7148



47.6783, 37.7699, 48.4713



32.7546, 37.7699, 17.8440

Complementary

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



28.9587, 37.7699, 68.7148



29.6651, 18.1550, 3.3811

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.



38.3801, 37.7699, 17.4879



28.9587, 37.7699, 68.7148



47.4148, 37.7699, 32.5235

Square

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



28.9587, 37.7699, 68.7148



44.5540, 37.7699, 66.3362



43.8684, 37.7699, 22.1296



28.4446, 37.7699, 23.2796

Rectangle

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



28.9587, 37.7699, 68.7148



37.2913, 37.7699, 80.7696



43.8684, 37.7699, 22.1296



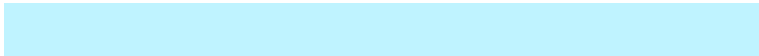
34.5421, 37.7699, 17.1894

Sweetspot

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



28.9600, 37.7712, 68.7157



71.7427, 82.6167, 106.7731



25.4063, 48.3063, 13.1419



14.7825, 17.2320, 22.7969



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.



28.9600, 37.7712, 68.7157



40.6660, 52.4520, 102.5887



16.2956, 12.4426, 64.4943



12.5896, 13.7026, 15.9188



16.6452, 21.5522, 41.7359



1.0554, 1.4028, 2.5345

Inverse Universe

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



36.2238, 18.5305, 44.8488



52.6555, 25.8262, 62.0433



39.6054, 38.0356, 6.6946



12.8508, 12.5918, 15.1545



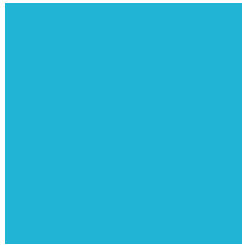
21.4606, 10.5206, 25.5273



1.3204, 0.6449, 1.6765

Previews

White Background



This preview shows how the XYZ color 28.9587, 37.7699, 68.7148 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 28.9587, 37.7699, 68.7148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

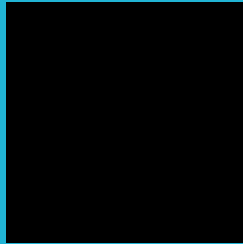
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9587, 37.7699, 68.7148

Background



This preview shows how black text looks on a background with the XYZ color 28.9587, 37.7699, 68.7148.

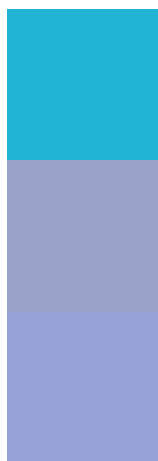


This preview shows how white text looks on a background with the XYZ color 28.9587, 37.7699,

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

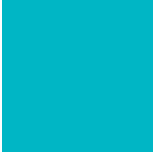
28.9587, 37.7699, 68.7148

Protanopia

36.9805, 37.0263, 60.4560

Deuteranopia

38.2072, 37.4297, 70.8566



Tritanopia

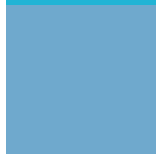
26.8060, 37.4871, 58.6462

Trichromacy



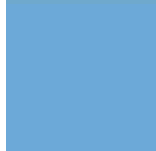
Original Color

28.9587, 37.7699, 68.7148



Protanomaly

31.7630, 36.1632, 63.0637



Deuteranomaly

32.7670, 36.5219, 70.2882



Tritanomaly

27.4550, 37.4377, 62.2791

Monochromacy



Original Color

28.9587, 37.7699, 68.7148



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.0632, 28.9994, 40.8884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9587, 37.7699, 68.7148 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(33, 180, 213)` looks like.

```
.text, #text, p{  
    color:rgb(33, 180, 213)  
}
```

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(33, 180, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 180, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.9587, 37.7699, 68.7148 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(33, 180, 213) }
```


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

```
.border{ border-color:rgb(33, 180, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 180, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 180, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 180, 213);  
box-shadow:4px 4px 4px 4px rgb(33, 180,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9587, 37.7699, 68.7148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 180, 213) }
```

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

```
.background{ background-color: rgb(33, 180,  
213) }
```

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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