

Converting Colors

XYZ(28.6414, 36.7726, 67.9576)

Have a look what the booklet for
XYZ(28.6414, 36.7726, 67.9576)
contains.

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Color

**XYZ(28.6021, 36.7113,
67.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	2BB1D4
RGB	43, 177, 212
RGB Percent	17%, 69%, 83%
CMY	0.8313, 0.3059, 0.1686
CMYK	0.80, 0.17, 0.00, 0.17
HSL	192°, 66%, 50%
HSV	192°, 80%, 83%
XYZ	28.6021, 36.7113, 67.8659
YIQ	140.9240, -91.0990, -17.5230

Conversions

Conversions Part 2

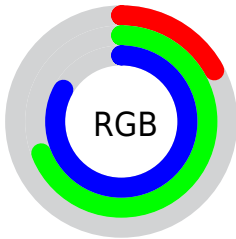
Format	Color
R _Y B	43, 118, 212
Decimal	2863572
CIE Lab	67.06, -22.96, -27.64
CIE LCh	67, 35.926, 230.284
Yxy	36.7113, 0.2148, 0.2757
Android (android.graphics.Color)	4281053652 (0xFF2BB1D4)
YUV	140.9240, 35.0405, -85.8793
Hunter-Lab	60.5899, -21.7694, -23.9971

Details

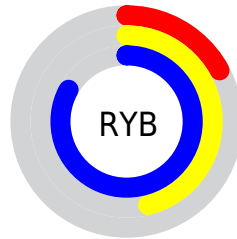
The XYZ color **28.6021, 36.7113, 67.8659** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.3135, 19.6227, 4.4769**, and the grayscale version is **25.1826, 26.4940, 28.8520**.

A 20% lighter version of the original color is **54.5250, 69.2797, 105.1063**, and **13.2935, 16.8496, 34.4500** is the 20% darker color. If you saturate the color by 10%, you get **27.0798, 34.6603, 67.5510**, and if you desaturate by 10%, it is **30.6162, 39.0586, 68.2135**.

Distribution



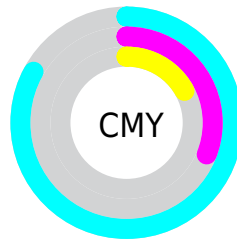
- Red (17%)
- Green (69%)
- Blue (83%)



- Red (17%)
- Yellow (46%)
- Blue (83%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (83%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6021, 36.7113, 67.8659 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 28.6021, 36.7113, 67.8659 by changing the saturation by 10% instead.

■ 28.6021, 36.7113,
67.8659

■ 28.6021, 36.7113,
67.8659

287.3611,
332.0589, 471.6059

■ 18.9228, 24.9840,
49.3226

■ 56.8462, 70.1285,
117.8127

■ 11.7182, 16.0652,
34.5081

■ 76.1418, 92.5873,
150.0533

■ 6.6229, 9.5703,
23.0037

■ 99.3735, 119.3920,
187.6967

■ 3.2716, 5.1150,
14.3909

■ 126.9066,
150.9271, 231.1616

■ 1.2990, 2.3149,
8.2512

■ 159.1066,
187.5770, 280.8664

■ 0.1825, 0.7816,
4.1660

196.3388,

■ 0.0000, 0.0000,

229.7259, 337.2297

1.7169

238.9685,
277.7585, 400.6700

■ 0.0000, 0.0000,
0.3722

■ 0.0000, 0.0000,
0.0000

■ 28.6021, 36.7113,
67.8659

■ 28.6021, 36.7113,
67.8659

■ 27.0798, 34.6603,
67.5510

■ 30.6162, 39.0586,
68.2135

■ 25.9349, 32.8443,
67.2608

■ 33.1814, 41.7312,
68.5942

■ 25.9036, 32.7931,
67.2526

■ 36.3525, 44.7582,
69.0113

■ 40.1762, 48.1643,
69.4672

■ 44.6947, 51.9714,
69.9639

■ 49.9463, 56.1998,
70.5033

■ 55.9667, 60.8681,
71.0871

■ 62.7891, 65.9938,
71.7169

■ 70.4447, 71.5934,
72.3942

Harmonies

Analogous

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



25.9384, 36.7113, 51.3347



28.6021, 36.7113, 67.8659



33.1501, 36.7113, 77.5606

Triad

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



28.6021, 36.7113, 67.8659



46.3044, 36.7113, 45.2675



31.3767, 36.7113, 17.8737

Complementary

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



28.6021, 36.7113, 67.8659



30.3135, 19.6227, 4.4769

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.



36.6960, 36.7113, 17.0482



28.6021, 36.7113, 67.8659



45.7024, 36.7113, 30.4240

Square

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



28.6021, 36.7113, 67.8659



43.6128, 36.7113, 62.4413



42.0446, 36.7113, 21.0099



27.4206, 36.7113, 23.6663

Rectangle

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



28.6021, 36.7113, 67.8659



36.8021, 36.7113, 77.4802



42.0446, 36.7113, 21.0099



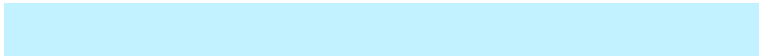
33.0511, 36.7113, 17.0775

Sweetspot

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



28.6033, 36.7126, 67.8668



72.0957, 82.3606, 106.7051



25.8737, 48.1347, 14.9139



14.8286, 17.1404, 22.7768



0.0000, 0.0000, 0.0000



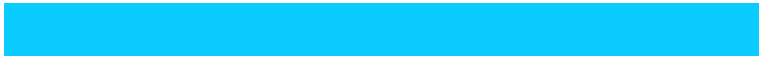
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6033, 36.7126, 67.8668



39.8416, 50.6137, 102.2773



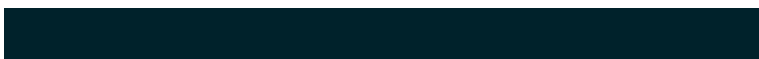
16.8579, 13.2217, 63.9517



12.5637, 13.6507, 15.9102



16.0654, 20.3925, 41.5426



1.0252, 1.3424, 2.5244

Inverse Universe

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



35.9522, 18.9006, 43.3494



52.2857, 25.8554, 59.5496



40.3864, 39.7685, 7.8346



12.8377, 12.5866, 15.0856



21.1679, 10.4035, 23.9860



1.3051, 0.6388, 1.5962

Previews

White Background



This preview shows how the XYZ color 28.6021, 36.7113, 67.8659 looks on a white background.

Color Contrast Check

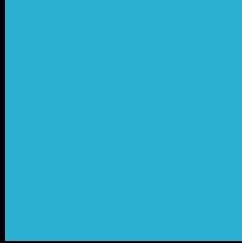
Large Text (above 18pt) WCAG AA × Fail

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 28.6021, 36.7113, 67.8659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

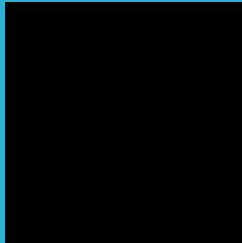
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6021, 36.7113, 67.8659

Background



This preview shows how black text looks on a background with the XYZ color 28.6021, 36.7113, 67.8659.

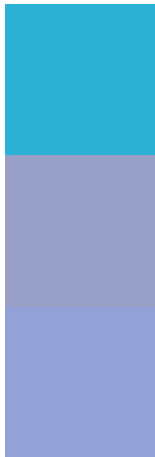


This preview shows how white text looks on a background with the XYZ color 28.6021, 36.7113,

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

28.6021, 36.7113, 67.8659

Protanopia

36.1330, 36.0840, 59.7041

Deuteranopia

37.1782, 36.3954, 70.0313



Tritanopia

26.4401, 36.7211, 57.3241

Trichromacy



Original Color

28.6021, 36.7113, 67.8659



Protanomaly

31.3454, 35.1428, 62.2579



Deuteranomaly

32.3324, 35.4937, 69.4369



Tritanomaly

27.1416, 36.7041, 60.9124

Monochromacy



Original Color

28.6021, 36.7113, 67.8659



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.3564, 28.9045, 40.8546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6021, 36.7113, 67.8659 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(43, 177, 212)` looks like.

```
.text, #text, p{  
    color:rgb(43, 177, 212)  
}
```

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(43, 177, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 177, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.6021, 36.7113, 67.8659 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(43, 177, 212) }
```


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

```
.border{ border-color:rgb(43, 177, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 177, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 177, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 177, 212);  
box-shadow:4px 4px 4px 4px rgb(43, 177,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6021, 36.7113, 67.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 177, 212) }
```

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

```
.background{ background-color: rgb(43, 177,  
212) }
```

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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