

Converting Colors

XYZ(34.2679, 46.8948, 72.2112)

Have a look what the booklet for
XYZ(34.2679, 46.8948, 72.2112)
contains.

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Color

**XYZ(34.2679, 46.8948,
72.2112)**

Conversions

Conversions Part 1

Format	Color
Hex	30C8D8
RGB	48, 200, 216
RGB Percent	19%, 78%, 85%
CMY	0.8117, 0.2157, 0.1529
CMYK	0.78, 0.07, 0.00, 0.15
HSL	186°, 68%, 52%
HSV	186°, 78%, 85%
XYZ	34.2679, 46.8948, 72.2112
YIQ	156.3760, -95.7280, -27.2480

Conversions

Conversions Part 2

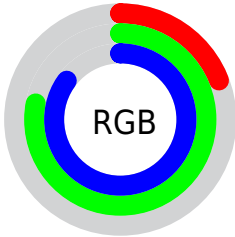
Format	Color
R _Y B	48, 128, 216
Decimal	3197144
CIE Lab	74.12, -32.59, -19.03
CIE LCh	74, 37.741, 210.278
Yxy	46.8948, 0.2234, 0.3058
Android (android.graphics.Color)	4281387224 (0xFF30C8D8)
YUV	156.3760, 29.3946, -95.0458
Hunter-Lab	68.4798, -30.5166, -14.5848

Details

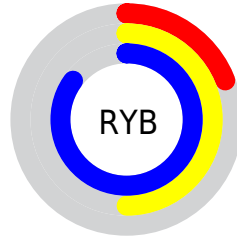
The XYZ color **34.2679, 46.8948, 72.2112** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.6872, 18.4809, 4.7477**, and the grayscale version is **31.6737, 33.3232, 36.2890**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **16.7119, 23.1310, 37.3021** is the 20% darker color. If you saturate the color by 10%, you get **33.0132, 45.5464, 72.0179**, and if you desaturate by 10%, it is **36.0275, 48.5149, 72.4321**.

Distribution



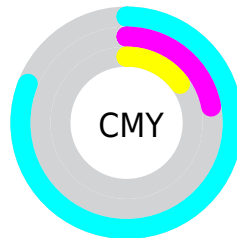
- Red (19%)
- Green (78%)
- Blue (85%)



- Red (19%)
- Yellow (50%)
- Blue (85%)



- Cyan (78%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (81%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2679, 46.8948, 72.2112 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 34.2679, 46.8948, 72.2112 by changing the saturation by 10% instead.


 34.2679, 46.8948,
72.2112


 34.2679, 46.8948,
72.2112


312.8899,
374.3945, 487.2737


 23.2633, 32.9525,
52.8433


 65.6916, 85.5566,
124.0673


 14.9098, 22.0901,
37.2908


 86.8414, 111.0448,
157.3925


 8.8420, 13.9231,
25.1352


 112.1037,
141.1505, 196.2074

 4.6946, 8.0672,
15.9579

 141.8439,
176.2581, 240.9303

 2.1021, 4.1380,
9.3403

 176.4272,
216.7518, 291.9798

 0.6904, 1.7510,
4.8640

216.2191,

 0.0000, 0.4564,

263.0162, 349.7746

2.1103

261.5849,
315.4356, 414.7330

■ 0.0000, 0.0000,
0.6219

■ 0.0000, 0.0000,
0.0000

■ 34.2679, 46.8948,
72.2112

■ 34.2679, 46.8948,
72.2112

■ 33.0132, 45.5464,
72.0179

■ 36.0275, 48.5149,
72.4321

■ 32.1699, 44.4186,
71.8447

■ 38.3511, 50.4344,
72.6801

■ 32.0064, 44.1811,
71.8075

■ 41.2944, 52.6829,
72.9590

■ 44.9050, 55.2851,
73.2709

■ 49.2260, 58.2631,
73.6180

■ 54.2968, 61.6374,
74.0021

■ 60.1539, 65.4268,
74.4248

■ 66.8314, 69.6488,
74.8878

■ 74.3613, 74.3202,
75.3925

Harmonies

Analogous

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



32.8021, 46.8948, 51.2414



34.2679, 46.8948, 72.2112



38.4364, 46.8948, 90.6672

Triad

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



34.2679, 46.8948, 72.2112



56.8331, 46.8948, 71.8174



44.5090, 46.8948, 22.1597

Complementary

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



34.2679, 46.8948, 72.2112



30.6872, 18.4809, 4.7477

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.



51.3283, 46.8948, 25.0853



34.2679, 46.8948, 72.2112



58.8664, 46.8948, 50.8799

Square

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



34.2679, 46.8948, 72.2112



51.4485, 46.8948, 90.4024



56.7589, 46.8948, 34.5045



38.3374, 46.8948, 25.1980

Rectangle

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



34.2679, 46.8948, 72.2112



42.4141, 46.8948, 97.2126



56.7589, 46.8948, 34.5045



46.8020, 46.8948, 22.4672

Sweetspot

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



34.2694, 46.8965, 72.2123



74.9100, 87.0106, 107.4543



26.6457, 50.0891, 12.8232



15.4773, 18.2508, 22.9570



0.0000, 0.0000, 0.0000



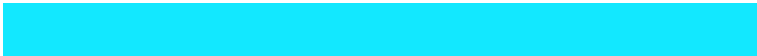
20.3446, 21.4041, 23.3091

Same Dimension

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



34.2694, 46.8965, 72.2123



47.2701, 65.2941, 104.7194



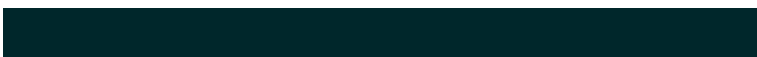
20.0940, 18.5457, 67.4872



12.6864, 13.8962, 15.9511



18.9878, 26.2373, 42.5167



1.1753, 1.6426, 2.5744

Inverse Universe

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



39.8025, 20.8845, 56.5786



56.0784, 27.5376, 79.0127



39.1330, 35.3725, 7.5629



12.8997, 12.6114, 15.4118



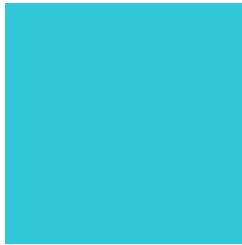
22.6430, 10.9935, 31.7538



1.3809, 0.6691, 1.9951

Previews

White Background



This preview shows how the XYZ color 34.2679, 46.8948, 72.2112 looks on a white background.

Color Contrast Check

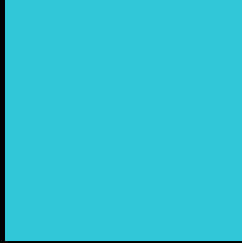
Large Text (above 18pt) WCAG AA × Fail

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 34.2679, 46.8948, 72.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

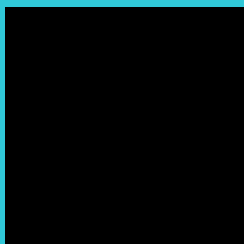
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

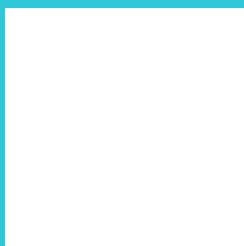
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2679, 46.8948, 72.2112

Background



This preview shows how black text looks on a background with the XYZ color 34.2679, 46.8948, 72.2112.



This preview shows how white text looks on a background with the XYZ color 34.2679, 46.8948,

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

34.2679, 46.8948, 72.2112

Protanopia

45.2597, 46.0170, 62.9966

Deuteranopia

47.1334, 46.1297, 74.8263



Tritanopia

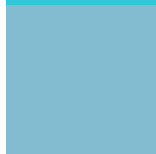
34.2679, 46.8948, 72.2112

Trichromacy



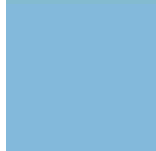
Original Color

34.2679, 46.8948, 72.2112



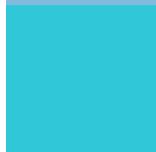
Protanomaly

38.5156, 44.9200, 66.3150



Deuteranomaly

39.4952, 44.6377, 73.5521



Tritanomaly

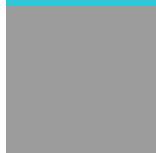
34.2679, 46.8948, 72.2112

Monochromacy



Original Color

34.2679, 46.8948, 72.2112



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.1245, 36.5013, 47.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2679, 46.8948, 72.2112 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(48, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(48, 200, 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(48, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 200, 216) }
```

Border

The CSS property to change the border of an element to XYZ 34.2679, 46.8948, 72.2112 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(48, 200, 216) }
```


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

```
.border{ border-color:rgb(48, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(48, 200,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2679, 46.8948, 72.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 200, 216) }
```

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

```
.background{ background-color: rgb(48, 200,  
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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