

Converting Colors

XYZ(33.0514, 46.2694, 72.1577)

Have a look what the booklet for
XYZ(33.0514, 46.2694, 72.1577)
contains.

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Color

**XYZ(33.0489, 46.2664,
72.1542)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8D8
RGB	0, 200, 216
RGB Percent	0%, 78%, 85%
CMY	0.9998, 0.2157, 0.1529
CMYK	1.00, 0.07, 0.00, 0.15
HSL	184°, 100%, 42%
HSV	184°, 100%, 85%
XYZ	33.0489, 46.2664, 72.1542
YIQ	142.0240, -124.3360, -37.4240

Conversions

Conversions Part 2

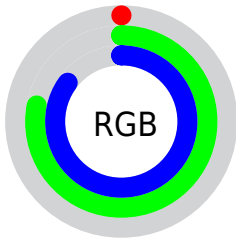
Format	Color
<code>RYB</code>	<code>0, 104, 216</code>
Decimal	<code>51416</code>
CIELab	<code>73.72, -35.12, -19.68</code>
CIELCh	<code>74, 40.259, 209.265</code>
Yxy	<code>46.2664, 0.2182, 0.3055</code>
Android (<code>android.graphics.Color</code>)	<code>4278241496</code> (<code>0xFF00C8D8</code>)
YUV	<code>142.0240, 36.4702, -124.5550</code>
Hunter-Lab	<code>68.0194, -32.3054, -15.2806</code>

Details

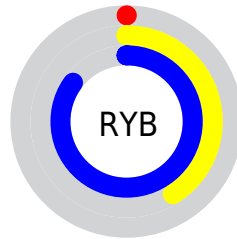
The XYZ color **33.0489, 46.2664, 72.1542** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.5055, 14.9712, 1.3887**, and the grayscale version is **25.6224, 26.9568, 29.3560**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.5584, 22.8240, 37.2510** is the 20% darker color. If you saturate the color by 10%, you get **33.0489, 46.2661, 72.1550**, and if you desaturate by 10%, it is **33.7455, 47.1795, 72.2946**.

Distribution



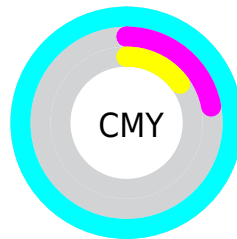
- Red (0%)
- Green (78%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0489, 46.2664, 72.1542 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 33.0489, 46.2664, 72.1542 by changing the saturation by 10% instead.

33.0489, 46.2664,
72.1542

33.0489, 46.2664,
72.1542

307.5311,
371.8786, 487.0701

22.3233, 32.4561,
52.7970

63.8060, 84.6175,
123.9855

14.2126, 21.7101,
37.2542

84.5683, 109.9272,
157.2967

8.3514, 13.6440,
25.1070

109.4068,
139.8387, 196.0964

4.3743, 7.8735,
15.9371

138.6870,
174.7365, 240.8030

1.9160, 4.0141,
9.3257

172.7742,
215.0050, 291.8352

0.5861, 1.6815,
4.8546

212.0337,

0.0000, 0.4116,

261.0286, 349.6114

2.1049

256.8309,
313.1917, 414.5502

■ 0.0000, 0.0000,
0.6187

■ 0.0000, 0.0000,
0.0000

■ 33.0489, 46.2664,
72.1542

■ 33.0489, 46.2664,
72.1542

■ 33.0489, 46.2661,
72.1550

■ 33.7455, 47.1795,
72.2946

■ 34.8055, 48.2848,
72.4521

■ 36.3491, 49.6452,
72.6333

■ 38.4427, 51.2950,
72.8414

■ 41.1420, 53.2628,
73.0790

■ 44.4960, 55.5740,
73.3483

■ 48.5487, 58.2512,
73.6515

■ 53.3403, 61.3152,
73.9903

■ 58.9077, 64.7851,
74.3666

Harmonies

Analogous

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



31.6219, 46.2664, 49.8733



33.0489, 46.2664, 72.1542



37.3226, 46.2664, 92.3116

Triad

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



33.0489, 46.2664, 72.1542



56.8675, 46.2664, 73.2705



44.1513, 46.2664, 20.3938

Complementary

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



33.0489, 46.2664, 72.1542



28.5055, 14.9712, 1.3887

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.



51.3739, 46.2664, 23.5671



33.0489, 46.2664, 72.1542



59.1868, 46.2664, 50.8826

Square

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



33.0489, 46.2664, 72.1542



51.0361, 46.2664, 93.0693



57.0769, 46.2664, 33.4910



37.5969, 46.2664, 23.2643

Rectangle

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



33.0489, 46.2664, 72.1542



41.4659, 46.2664, 99.7449



57.0769, 46.2664, 33.4910



46.5830, 46.2664, 20.7710

Sweetspot

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



33.0504, 46.2681, 72.1553



70.5036, 84.7014, 107.2408



24.6391, 49.1456, 8.6189



14.5286, 17.7616, 22.9125



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.



33.0504, 46.2681, 72.1553



48.0768, 67.2735, 105.0589



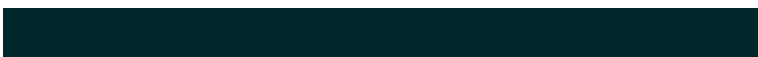
16.3652, 12.8977, 66.5936



12.7098, 13.9430, 15.9589



19.5962, 27.4541, 42.7195



1.2060, 1.7039, 2.5846

Inverse Universe

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



38.7455, 18.7704, 56.2262



56.3961, 27.3225, 81.7411



35.3310, 28.6221, 3.6639



12.9115, 12.6161, 15.4740



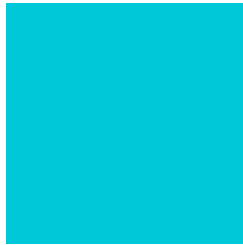
22.9501, 11.1164, 33.3709



1.3964, 0.6753, 2.0766

Previews

White Background



This preview shows how the XYZ color 33.0489, 46.2664, 72.1542 looks on a white background.

Color Contrast Check

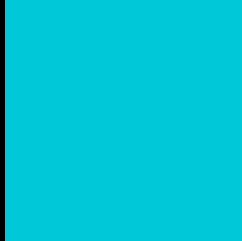
Large Text (above 18pt) WCAG AA × Fail

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 33.0489, 46.2664, 72.1542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

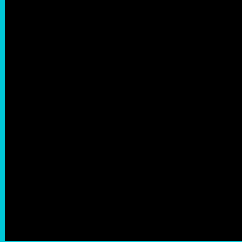
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

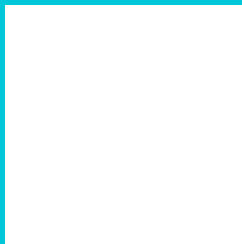
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0489, 46.2664, 72.1542

Background



This preview shows how black text looks on a background with the XYZ color 33.0489, 46.2664, 72.1542.

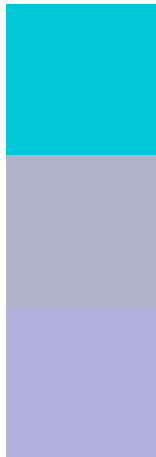


This preview shows how white text looks on a background with the XYZ color 33.0489, 46.2664,

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

33.0489, 46.2664, 72.1542

Protanopia

44.4856, 45.3352, 62.2830

Deuteranopia

46.4810, 45.5012, 74.7394



Tritanopia

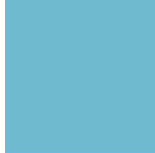
33.1241, 46.3051, 72.1577

Trichromacy



Original Color

33.0489, 46.2664, 72.1542



Protanomaly

35.5035, 43.0675, 65.4731



Deuteranomaly

36.8172, 43.2571, 73.4268



Tritanomaly

33.0990, 46.2922, 72.1565

Monochromacy



Original Color

33.0489, 46.2664, 72.1542



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.4751, 31.2326, 42.2746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0489, 46.2664, 72.1542 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, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 216) }
```

Border

The CSS property to change the border of an element to XYZ 33.0489, 46.2664, 72.1542 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, 200, 216) }
```


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

```
.border{ border-color:rgb(0, 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(0, 200, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0489, 46.2664, 72.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 216) }
```

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

```
.background{ background-color: rgb(0, 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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