

Converting Colors

XYZ(34.5186, 47.0250, 72.2240)

Have a look what the booklet for
XYZ(34.5186, 47.0250, 72.2240)
contains.

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Color

**XYZ(34.5171, 47.0233,
72.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	35C8D8
RGB	53, 200, 216
RGB Percent	21%, 78%, 85%
CMY	0.7921, 0.2157, 0.1529
CMYK	0.75, 0.07, 0.00, 0.15
HSL	186°, 68%, 53%
HSV	186°, 75%, 85%
XYZ	34.5171, 47.0233, 72.2229
YIQ	157.8710, -92.7480, -26.1880

Conversions

Conversions Part 2

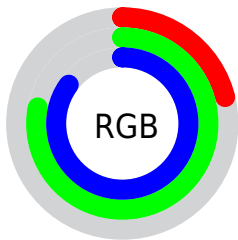
Format	Color
RYB	53, 130, 216
Decimal	3524824
CIELab	74.20, -32.09, -18.90
CIELCh	74, 37.238, 210.495
Yxy	47.0233, 0.2245, 0.3058
Android (android.graphics.Color)	4281714904 (0xFF35C8D8)
YUV	157.8710, 28.6576, -91.9719
Hunter-Lab	68.5735, -30.1541, -14.4438

Details

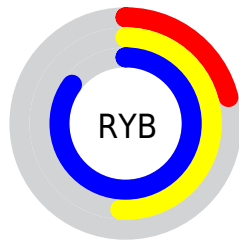
The XYZ color **34.5171, 47.0233, 72.2229** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.0909, 19.1137, 5.4202**, and the grayscale version is **32.3474, 34.0320, 37.0608**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **16.7119, 23.1310, 37.3021** is the 20% darker color. If you saturate the color by 10%, you get **33.1397, 45.5903, 72.0198**, and if you desaturate by 10%, it is **36.4156, 48.7370, 72.4545**.

Distribution



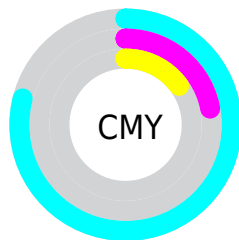
- Red (21%)
- Green (78%)
- Blue (85%)



- Red (21%)
- Yellow (51%)
- Blue (85%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (79%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5171, 47.0233, 72.2229 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 34.5171, 47.0233, 72.2229 by changing the saturation by 10% instead.


 34.5171, 47.0233,
72.2229


 34.5171, 47.0233,
72.2229


313.9772,
374.9075, 487.3154


 23.4559, 33.0541,
52.8528


 66.0760, 85.7484,
124.0841

 15.0530, 22.1679,
37.2984


 87.3043, 111.2731,
157.4122


 8.9432, 13.9803,
25.1410


 112.6525,
141.4183, 196.2302

 4.7610, 8.1070,
15.9622

 142.4857,
176.5686, 240.9564

 2.1410, 4.1635,
9.3433

 177.1695,
217.1083, 292.0095

 0.7114, 1.7654,
4.8659

217.0691,

 0.0000, 0.4655,

263.4217, 349.8080

2.1115

262.5498,
315.8933, 414.7705

■ 0.0000, 0.0000,
0.6226

■ 0.0000, 0.0000,
0.0000

■ 34.5171, 47.0233,
72.2229

■ 34.5171, 47.0233,
72.2229

■ 33.1397, 45.5903,
72.0198

■ 36.4156, 48.7370,
72.4545


■ 32.2041, 44.3941,
71.8382


■ 38.8917, 50.7577,
72.7140


■ 31.8651, 43.8984,
71.7604


■ 41.9994, 53.1141,
73.0051


■ 45.7851, 55.8303,
73.3298

 50.2911, 58.9281,
73.6903

 55.5560, 62.4274,
74.0882

 61.6156, 66.3468,
74.5253

 68.5037, 70.7036,
75.0033

 76.2518, 75.5143,
75.5234

Harmonies

Analogous

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



33.0437, 47.0233, 51.5188



34.5171, 47.0233, 72.2229



38.6634, 47.0233, 90.3410

Triad

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



34.5171, 47.0233, 72.2229



56.8278, 47.0233, 71.5328



44.5834, 47.0233, 22.5269

Complementary

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



34.5171, 47.0233, 72.2229



31.0909, 19.1137, 5.4202

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.



51.3217, 47.0233, 25.3993



34.5171, 47.0233, 72.2229



58.8043, 47.0233, 50.8833

Square

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



34.5171, 47.0233, 72.2229



51.5327, 47.0233, 89.8778



56.6977, 47.0233, 34.7131



38.4892, 47.0233, 25.5989

Rectangle

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



34.5171, 47.0233, 72.2229



42.6070, 47.0233, 96.7123



56.6977, 47.0233, 34.7131



46.8485, 47.0233, 22.8195

Sweetspot

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



34.5186, 47.0250, 72.2240



74.8570, 86.9046, 107.4366



27.0260, 50.2700, 13.5252



15.4643, 18.2247, 22.9526



0.0000, 0.0000, 0.0000



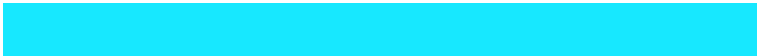
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5186, 47.0250, 72.2240



47.3216, 65.2404, 104.7063



20.6917, 19.3713, 67.6151



12.6832, 13.8898, 15.9500



18.9052, 26.0722, 42.4892



1.1711, 1.6343, 2.5730

Inverse Universe

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



40.0186, 21.3166, 56.6507



56.1426, 27.7097, 78.8996



39.5660, 36.0639, 8.2452



12.8980, 12.6107, 15.4033



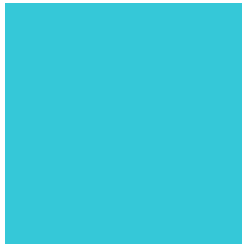
22.6013, 10.9769, 31.5344



1.3788, 0.6683, 1.9840

Previews

White Background



This preview shows how the XYZ color 34.5171, 47.0233, 72.2229 looks on a white background.

Color Contrast Check

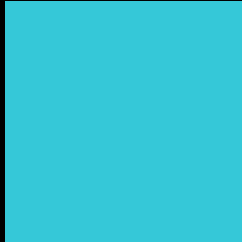
Large Text (above 18pt) WCAG AA × Fail

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 34.5171, 47.0233, 72.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

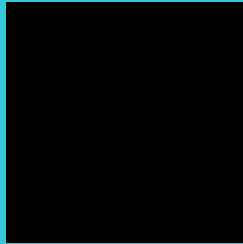
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

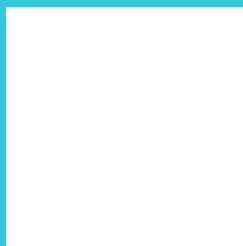
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5171, 47.0233, 72.2229

Background



This preview shows how black text looks on a background with the XYZ color 34.5171, 47.0233, 72.2229.

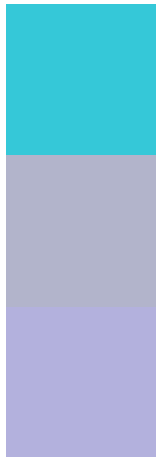


This preview shows how white text looks on a background with the XYZ color 34.5171, 47.0233,

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

34.5171, 47.0233, 72.2229

Protanopia

45.4608, 46.4193, 63.0637

Deuteranopia

47.3637, 46.2484, 74.8371



Tritanopia

34.5171, 47.0233, 72.2229

Trichromacy



Original Color

34.5171, 47.0233, 72.2229



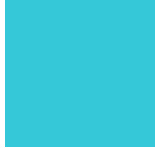
Protanomaly

38.8284, 45.0813, 66.3296



Deuteranomaly

39.8080, 44.7989, 73.5668



Tritanomaly

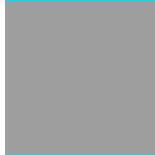
34.5171, 47.0233, 72.2229

Monochromacy



Original Color

34.5171, 47.0233, 72.2229



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.8260, 37.1349, 48.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5171, 47.0233, 72.2229 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(53, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 200, 216) }
```

Border

The CSS property to change the border of an element to XYZ 34.5171, 47.0233, 72.2229 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(53, 200, 216) }
```


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

```
.border{ border-color:rgb(53, 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(53, 200, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(53, 200,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5171, 47.0233, 72.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 200, 216) }
```

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

```
.background{ background-color: rgb(53, 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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