

Converting Colors

XYZ(47.2336, 52.9267, 71.3456)

Have a look what the booklet for
XYZ(47.2336, 52.9267, 71.3456)
contains.

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Color

**XYZ(47.2320, 52.9246,
71.3444)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C6D6
RGB	162, 198, 214
RGB Percent	64%, 78%, 84%
CMY	0.3647, 0.2235, 0.1608
CMYK	0.24, 0.07, 0.00, 0.16
HSL	198°, 39%, 74%
HSV	198°, 24%, 84%
XYZ	47.2320, 52.9246, 71.3444
YIQ	189.0600, -26.5920, -2.6560

Conversions

Conversions Part 2

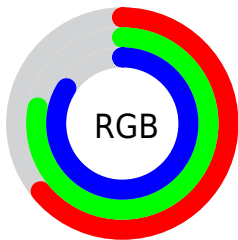
Format	Color
R _{YB}	162, 183, 214
Decimal	10667734
CIE Lab	77.83, -8.40, -11.94
CIE LCh	78, 14.598, 234.848
Yxy	52.9246, 0.2754, 0.3086
Android (android.graphics.Color)	4288857814 (0xFFA2C6D6)
YUV	189.0600, 12.2954, -23.7316
Hunter-Lab	72.7493, -11.4213, -7.2205

Details

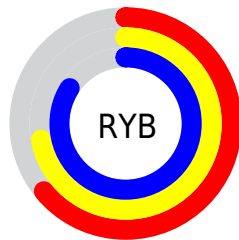
The XYZ color **47.2320, 52.9246, 71.3444** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1742, 48.7459, 40.9481**, and the grayscale version is **48.3482, 50.8660, 55.3931**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **22.5379, 25.7009, 36.5738** is the 20% darker color. If you saturate the color by 10%, you get **41.7774, 47.9282, 70.6684**, and if you desaturate by 10%, it is **53.4950, 58.4375, 72.0793**.

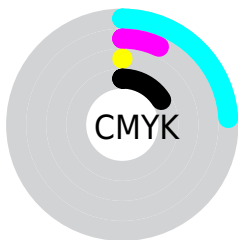
Distribution



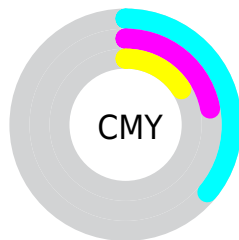
- Red (64%)
- Green (78%)
- Blue (84%)



- Red (64%)
- Yellow (72%)
- Blue (84%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2320, 52.9246, 71.3444 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 47.2320, 52.9246, 71.3444 by changing the saturation by 10% instead.

■ 47.2320, 52.9246,
71.3444

■ 47.2320, 52.9246,
71.3444

366.3733,
397.9958, 484.1725

■ 33.4278, 37.7426,
52.1397

■ 85.2765, 94.4934,
122.8230

■ 22.6152, 25.7830,
36.7335

■ 110.2474,
121.6490, 155.9340

■ 14.4287, 16.6613,
24.7070

139.6714,
153.5645, 194.5176

■ 8.5032, 9.9933,
15.6419

173.9137,
190.6245, 238.9923

■ 4.4731, 5.3945,
9.1195

213.3397,
233.2132, 289.7766

■ 1.9731, 2.4806,
4.7213

258.3147,

■ 0.6188, 0.8669,

281.7150, 347.2890

2.0288

309.2041,
336.5144, 411.9481

■ 0.0000, 0.0000,
0.5729

■ 0.0000, 0.0000,
0.0000

■ 47.2320, 52.9246,
71.3444

■ 47.2320, 52.9246,
71.3444

■ 41.7774, 47.9282,
70.6684

■ 53.4950, 58.4375,
72.0793

■ 37.0881, 43.4209,
70.0455

■ 60.5972, 64.4800,
72.8713

■ 33.1242, 39.3822,
69.4749

■ 68.5735, 71.0726,
73.7234

■ 29.8399, 35.7873,
68.9541

■ 77.4555, 78.2328,
74.6373

■ 27.1839, 32.6084,
68.4805

■ 81.9320, 83.2236,
75.3647

■ 25.0970, 29.8136,
68.0511

■ 83.8088, 86.9771,
75.9903

■ 23.5071, 27.3645,
67.6621

■ 85.7556, 90.8707,
76.6392

■ 22.7534, 26.0864,
67.4551

■ 87.7732, 94.9059,
77.3117

■ 89.1378, 97.6351,
77.7666

Harmonies

Analogous

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



45.5208, 52.9246, 64.4326



47.2320, 52.9246, 71.3444



49.8157, 52.9246, 74.6001

Triad

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



47.2320, 52.9246, 71.3444



55.9254, 52.9246, 59.0380



48.0490, 52.9246, 44.5982

Complementary

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



47.2320, 52.9246, 71.3444



50.1742, 48.7459, 40.9481

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.



50.7939, 52.9246, 43.4441



47.2320, 52.9246, 71.3444



55.4094, 52.9246, 51.3163

Square

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



47.2320, 52.9246, 71.3444



54.8894, 52.9246, 67.0817



53.5048, 52.9246, 45.7893



45.9799, 52.9246, 49.1032

Rectangle

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



47.2320, 52.9246, 71.3444



51.7120, 52.9246, 74.0576



53.5048, 52.9246, 45.7893



48.9203, 52.9246, 43.8245

Sweetspot

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



47.2336, 52.9267, 71.3456



87.0582, 93.3165, 108.0312



46.9437, 58.9739, 50.8193



18.4930, 19.8543, 23.1075



0.0000, 0.0000, 0.0000



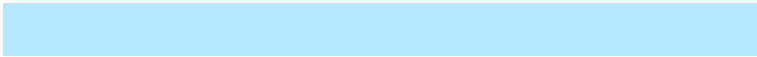
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2336, 52.9267, 71.3456



66.0446, 74.9035, 105.5846



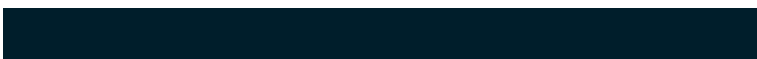
41.8678, 42.1952, 69.5570



12.4548, 13.4331, 15.8739



13.8488, 15.9594, 40.8037



0.9071, 1.1062, 2.4850

Inverse Universe

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



50.8462, 44.2153, 59.2830



72.3750, 60.1685, 84.3288



55.7520, 59.9016, 42.8074



12.7828, 12.5646, 14.7963



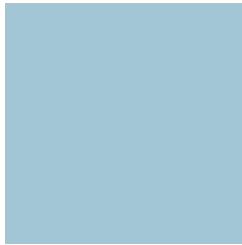
20.0491, 9.9560, 18.0944



1.2455, 0.6150, 1.2823

Previews

White Background



This preview shows how the XYZ color 47.2320, 52.9246, 71.3444 looks on a white background.

Color Contrast Check

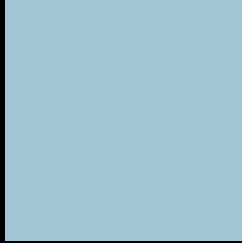
Large Text (above 18pt) WCAG AA × Fail

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 47.2320, 52.9246, 71.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

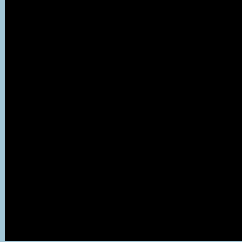
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2320, 52.9246, 71.3444

Background



This preview shows how black text looks on a background with the XYZ color 47.2320, 52.9246, 71.3444.



This preview shows how white text looks on a background with the XYZ color 47.2320, 52.9246,

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

47.2320, 52.9246, 71.3444

Protanopia

51.3746, 52.8122, 67.8076

Deuteranopia

53.7182, 52.6406, 72.2952



Tritanopia

47.2320, 52.9246, 71.3444

Trichromacy



Original Color

47.2320, 52.9246, 71.3444

Protanomaly

49.8720, 52.9900, 69.2276

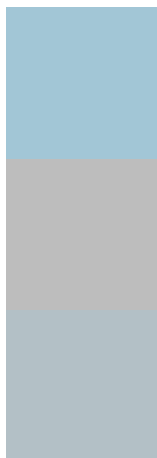
Deuteranomaly

51.1462, 52.6070, 71.7484

Tritanomaly

47.2320, 52.9246, 71.3444

Monochromacy



Original Color

47.2320, 52.9246, 71.3444

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6331, 51.3602, 60.8291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2320, 52.9246, 71.3444 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(162, 198, 214)` looks like.

```
.text, #text, p{  
    color:rgb(162, 198, 214)  
}
```

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(162, 198, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 198, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.2320, 52.9246, 71.3444 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(162, 198, 214) }
```


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

```
.border{ border-color:rgb(162, 198, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 198, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 198, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 198, 214);  
box-shadow:4px 4px 4px 4px rgb(162, 198,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2320, 52.9246, 71.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 198, 214) }
```

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

```
.background{ background-color: rgb(162,  
198, 214) }
```

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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