

Converting Colors

XYZ(47.9990, 53.6457, 72.1148)

Have a look what the booklet for
XYZ(47.9990, 53.6457, 72.1148)
contains.

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Color

**XYZ(47.9990, 53.6457,
72.1148)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C7D7
RGB	164, 199, 215
RGB Percent	64%, 78%, 84%
CMY	0.3569, 0.2196, 0.1569
CMYK	0.24, 0.07, 0.00, 0.16
HSL	199°, 39%, 74%
HSV	199°, 24%, 84%
XYZ	47.9990, 53.6457, 72.1148
YIQ	190.3590, -25.9960, -2.4440

Conversions

Conversions Part 2

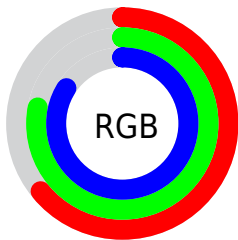
Format	Color
RYB	164, 185, 215
Decimal	10799063
CIELab	78.25, -8.10, -11.83
CIElCh	78, 14.335, 235.591
Yxy	53.6457, 0.2762, 0.3087
Android (android.graphics.Color)	4288989143 (0xFFA4C7D7)
YUV	190.3590, 12.1480, -23.1168
Hunter-Lab	73.2432, -11.1980, -7.1063

Details

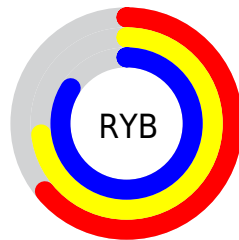
The XYZ color **47.9990, 53.6457, 72.1148** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.0469, 49.7700, 42.0392**, and the grayscale version is **49.0946, 51.6514, 56.2484**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **23.0261, 26.1684, 37.0951** is the 20% darker color. If you saturate the color by 10%, you get **42.4144, 48.5152, 71.4197**, and if you desaturate by 10%, it is **54.4057, 59.3047, 72.8703**.

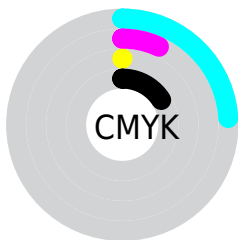
Distribution



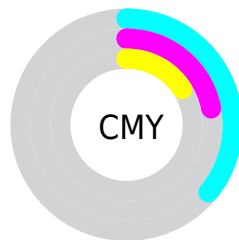
- Red (64%)
- Green (78%)
- Blue (84%)



- Red (64%)
- Yellow (73%)
- 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 47.9990, 53.6457, 72.1148 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 47.9990, 53.6457, 72.1148 by changing the saturation by 10% instead.

■ 47.9990, 53.6457,
72.1148

■ 47.9990, 53.6457,
72.1148

369.3708,
400.7575, 486.9294

■ 34.0373, 38.3185,
52.7651

■ 86.4126, 95.5538,
123.9290

■ 23.0853, 26.2300,
37.2288

■ 111.5953,
122.9035, 157.2305

■ 14.7776, 16.9958,
25.0875

141.2490,
155.0295, 196.0196

■ 8.7487, 10.2315,
15.9227

175.7391,
192.3162, 240.7150

■ 4.6334, 5.5527,
9.3157

215.4310,
235.1479, 291.7351

■ 2.0664, 2.5751,
4.8480

260.6900,

■ 0.6708, 0.9141,

283.9091, 349.4985

2.1012

311.8815,
338.9842, 414.4238

■ 0.0000, 0.0000,
0.6165

■ 0.0000, 0.0000,
0.0000

■ 47.9990, 53.6457,
72.1148

■ 47.9990, 53.6457,
72.1148

■ 42.4144, 48.5152,
71.4197

■ 54.4057, 59.3047,
72.8703

■ 37.6085, 43.8857,
70.7795

■ 61.6655, 65.5056,
73.6846

■ 33.5409, 39.7362,
70.1929

■ 69.8138, 72.2692,
74.5606

■ 30.1658, 36.0418,
69.6577

■ 78.8823, 79.6130,
75.5001

■ 27.4313, 32.7744,
69.1711

■ 82.5669, 84.2883,
76.2084

■ 25.2782, 29.9019,
68.7302

■ 84.5098, 88.1741,
76.8560

■ 23.6345, 27.3859,
68.3312

■ 86.5264, 92.2074,
77.5282

■ 22.7870, 25.9485,
68.0984

■ 88.6176, 96.3897,
78.2253

■ 89.2659, 97.6864,
78.4414

Harmonies

Analogous

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



46.2740, 53.6457, 65.3457



47.9990, 53.6457, 72.1148



50.5748, 53.6457, 75.2183

Triad

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



47.9990, 53.6457, 72.1148



56.5616, 53.6457, 59.6074



48.6926, 53.6457, 45.5494

Complementary

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



47.9990, 53.6457, 72.1148



51.0469, 49.7700, 42.0392

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.



51.4047, 53.6457, 44.3148



47.9990, 53.6457, 72.1148



56.0131, 53.6457, 51.9853

Square

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



47.9990, 53.6457, 72.1148



55.5725, 53.6457, 67.5888



54.0999, 53.6457, 46.5636



46.6640, 53.6457, 50.1042

Rectangle

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



47.9990, 53.6457, 72.1148



52.4531, 53.6457, 74.6009



54.0999, 53.6457, 46.5636



49.5517, 53.6457, 44.7513

Sweetspot

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



48.0006, 53.6479, 72.1160



87.0249, 93.2498, 108.0201



47.7784, 59.7612, 51.8250



18.4853, 19.8388, 23.1049



0.0000, 0.0000, 0.0000



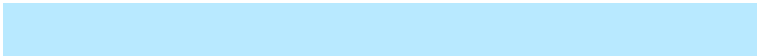
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0006, 53.6479, 72.1160



66.7483, 75.4146, 105.6462



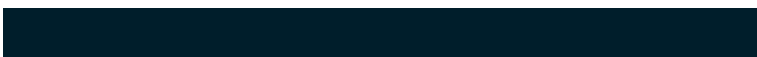
42.7514, 43.1494, 70.3663



12.4484, 13.4201, 15.8718



13.7278, 15.7174, 40.7634



0.9005, 1.0930, 2.4828

Inverse Universe

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



51.6099, 45.1227, 60.0248



72.9489, 61.2356, 84.7690



56.5096, 60.6954, 43.8601



12.7795, 12.5633, 14.7791



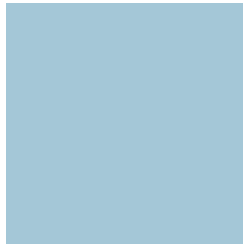
19.9880, 9.9315, 17.7729



1.2422, 0.6137, 1.2647

Previews

White Background



This preview shows how the XYZ color 47.9990, 53.6457, 72.1148 looks on a white background.

Color Contrast Check

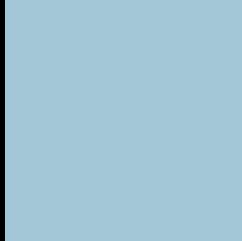
Large Text (above 18pt) WCAG AA × Fail

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 47.9990, 53.6457, 72.1148 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

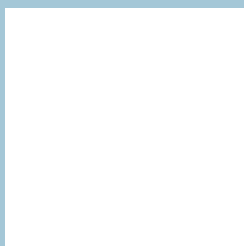
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9990, 53.6457, 72.1148

Background



This preview shows how black text looks on a background with the XYZ color 47.9990, 53.6457, 72.1148.



This preview shows how white text looks on a background with the XYZ color 47.9990, 53.6457,

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

47.9990, 53.6457, 72.1148

Protanopia

51.9684, 53.4288, 68.5465

Deuteranopia

54.5950, 53.3937, 73.0742



Tritanopia

47.9990, 53.6457, 72.1148

Trichromacy



Original Color

47.9990, 53.6457, 72.1148

Protanomaly

50.4548, 53.6074, 69.9754

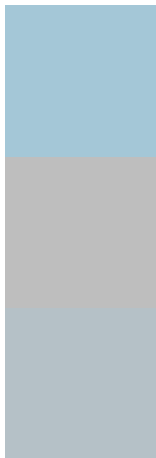
Deuteranomaly

51.9833, 53.3485, 72.5232

Tritanomaly

47.9990, 53.6457, 72.1148

Monochromacy



Original Color

47.9990, 53.6457, 72.1148

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4348, 52.0872, 61.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9990, 53.6457, 72.1148 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(164, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(164, 199, 215)  
}
```

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(164, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 199, 215) }
```

Border

The CSS property to change the border of an element to XYZ 47.9990, 53.6457, 72.1148 is called "border". The border property can be set on classes, ids or directly on the HTML element.

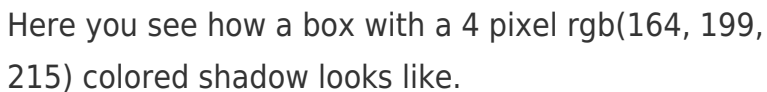
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 199, 215) }
```


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

```
.border{ border-color:rgb(164, 199, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 199, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 199, 215); box-shadow:4px 4px 4px 4px rgb(164, 199, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9990, 53.6457, 72.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 199, 215) }
```

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

```
.background{ background-color: rgb(164,  
199, 215) }
```

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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