

Converting Colors

XYZ(47.8352, 53.2851, 71.4517)

Have a look what the booklet for
XYZ(47.8352, 53.2851, 71.4517)
contains.

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Color

**XYZ(47.8487, 53.2425,
71.3733)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C6D6
RGB	165, 198, 214
RGB Percent	65%, 78%, 84%
CMY	0.3529, 0.2235, 0.1608
CMYK	0.23, 0.07, 0.00, 0.16
HSL	200°, 37%, 74%
HSV	200°, 23%, 84%
XYZ	47.8487, 53.2425, 71.3733
YIQ	189.9570, -24.8040, -2.0200

Conversions

Conversions Part 2

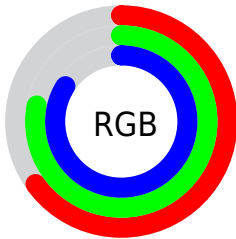
Format	Color
RYB	165, 185, 214
Decimal	10864342
CIELab	78.02, -7.50, -11.64
CIELCh	78, 13.841, 237.208
Yxy	53.2425, 0.2774, 0.3087
Android (android.graphics.Color)	4289054422 (0xFFA5C6D6)
YUV	189.9570, 11.8532, -21.8873
Hunter-Lab	72.9675, -10.6410, -6.9174

Details

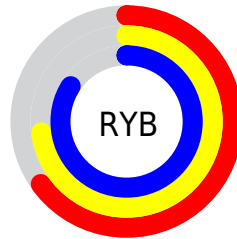
The XYZ color **47.8487, 53.2425, 71.3733** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.0475, 50.0607, 42.5706**, and the grayscale version is **48.8642, 51.4089, 55.9843**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **22.9134, 25.8945, 36.5914** is the 20% darker color. If you saturate the color by 10%, you get **42.2045, 48.0177, 70.6632**, and if you desaturate by 10%, it is **54.3145, 59.0029, 72.1453**.

Distribution



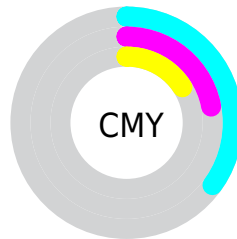
- Red (65%)
- Green (78%)
- Blue (84%)



- Red (65%)
- Yellow (73%)
- Blue (84%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8487, 53.2425, 71.3733 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 47.8487, 53.2425, 71.3733 by changing the saturation by 10% instead.

■ 47.8487, 53.2425,
71.3733

■ 47.8487, 53.2425,
71.3733

368.7847,
399.2148, 484.2761

■ 33.9178, 37.9964,
52.1632

■ 86.1901, 94.9611,
122.8645

■ 22.9931, 25.9799,
36.7520

■ 111.3314,
122.2024, 155.9827

■ 14.7091, 16.8086,
24.7213

140.9403,
154.2109, 194.5740

■ 8.7004, 10.0981,
15.6524

175.3820,
191.3709, 239.0570

■ 4.6018, 5.4641,
9.1268

215.0219,
234.0669, 289.8501

■ 2.0479, 2.5220,
4.7261

260.2254,

■ 0.6607, 0.8876,

282.6833, 347.3720

2.0315

311.3579,
337.6045, 412.0412

■ 0.0000, 0.0000,
0.5746

■ 0.0000, 0.0000,
0.0000

■ 47.8487, 53.2425,
71.3733

■ 47.8487, 53.2425,
71.3733

■ 42.2045, 48.0177,
70.6632

■ 54.3145, 59.0029,
72.1453

■ 37.3392, 43.3010,
70.0092

■ 61.6326, 65.3122,
72.9774

■ 33.2132, 39.0719,
69.4103

■ 69.8378, 72.1910,
73.8726

■ 29.7811, 35.3054,
68.8642

■ 78.9616, 79.6568,
74.8328

■ 26.9924, 31.9739,
68.3682

■ 82.4991, 84.3578,
75.5538

■ 24.7889, 29.0459,
67.9191

■ 84.5157, 88.3910,
76.2260

■ 23.1007, 26.4837,
67.5136

■ 86.6115, 92.5826,
76.9246

■ 22.1312, 24.8420,
67.2478

■ 88.7874, 96.9343,
77.6498

■ 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.



46.1325, 53.2425, 65.0304



47.8487, 53.2425, 71.3733



50.3532, 53.2425, 74.1057

Triad

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



47.8487, 53.2425, 71.3733



55.9632, 53.2425, 58.6985



48.2714, 53.2425, 45.7424

Complementary

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



47.8487, 53.2425, 71.3733



51.0475, 50.0607, 42.5706

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.



50.8584, 53.2425, 44.3684



47.8487, 53.2425, 71.3733



55.3585, 53.2425, 51.4438

Square

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



47.8487, 53.2425, 71.3733



55.0907, 53.2425, 66.3926



53.4660, 53.2425, 46.3629



46.3704, 53.2425, 50.2954

Rectangle

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



47.8487, 53.2425, 71.3733



52.1550, 53.2425, 73.3461



53.4660, 53.2425, 46.3629



49.0868, 53.2425, 44.9121

Sweetspot

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



47.8503, 53.2447, 71.3745



86.9541, 93.1083, 107.9965



47.8556, 59.4099, 52.4026



18.4689, 19.8060, 23.0995



0.0000, 0.0000, 0.0000



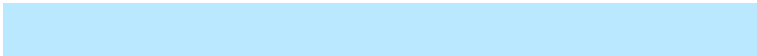
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8503, 53.2447, 71.3745



67.3398, 75.6852, 105.6673



42.7886, 43.1212, 69.6873



12.4346, 13.3926, 15.8672



13.4751, 15.2120, 40.6792



0.8867, 1.0654, 2.4782

Inverse Universe

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



51.3810, 45.2849, 59.4612



73.4702, 62.2969, 84.8851



56.3594, 60.6844, 44.3412



12.7726, 12.5605, 14.7426



19.8605, 9.8805, 17.1012



1.2352, 0.6109, 1.2280

Previews

White Background



This preview shows how the XYZ color 47.8487, 53.2425, 71.3733 looks on a white background.

Color Contrast Check

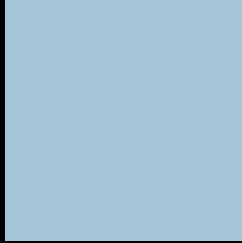
Large Text (above 18pt) WCAG AA × Fail

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 47.8487, 53.2425, 71.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

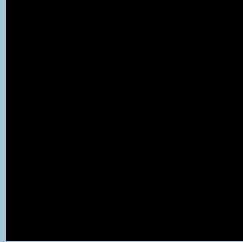
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8487, 53.2425, 71.3733

Background



This preview shows how black text looks on a background with the XYZ color 47.8487, 53.2425, 71.3733.



This preview shows how white text looks on a background with the XYZ color 47.8487, 53.2425,

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

47.8487, 53.2425, 71.3733

Protanopia

51.7495, 52.9911, 68.4736

Deuteranopia

53.9844, 52.7779, 72.3076



Tritanopia

47.8487, 53.2425, 71.3733

Trichromacy



Original Color

47.8487, 53.2425, 71.3733

Protanomaly

50.3411, 53.2318, 69.2495

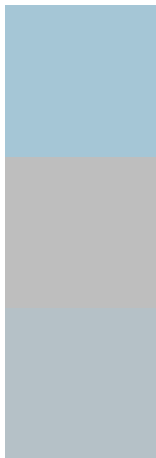
Deuteranomaly

51.3901, 52.7327, 71.7599

Tritanomaly

47.8487, 53.2425, 71.3733

Monochromacy



Original Color

47.8487, 53.2425, 71.3733

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 47.8487, 53.2425, 71.3733 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(165, 198, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 198, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.8487, 53.2425, 71.3733 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(165, 198, 214) }
```


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

```
.border{ border-color:rgb(165, 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(165, 198, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8487, 53.2425, 71.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 214) }
```

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

```
.background{ background-color: rgb(165,  
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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