

Converting Colors

XYZ(45.7351, 48.4951, 73.2797)

Have a look what the booklet for
XYZ(45.7351, 48.4951, 73.2797)
contains.

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Color

**XYZ(45.7351, 48.4951,
73.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BBDA
RGB	164, 187, 218
RGB Percent	64%, 73%, 85%
CMY	0.3569, 0.2667, 0.1451
CMYK	0.25, 0.14, 0.00, 0.15
HSL	214°, 42%, 75%
HSV	214°, 25%, 85%
XYZ	45.7351, 48.4951, 73.2797
YIQ	183.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

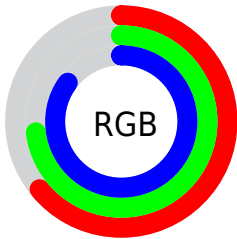
Format	Color
RYB	164, 180, 218
Decimal	10795994
CIELab	75.14, -1.02, -18.14
CIELCh	75, 18.166, 266.782
Yxy	48.4951, 0.2730, 0.2895
Android (android.graphics.Color)	4288986074 (0xFFA4BBDA)
YUV	183.6570, 16.9311, -17.2392
Hunter-Lab	69.6384, -4.6372, -13.6433

Details

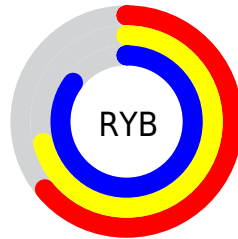
The XYZ color **45.7351, 48.4951, 73.2797** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.1301, 56.6165, 43.1458**, and the grayscale version is **45.2910, 47.6497, 51.8905**.

A 20% lighter version of the original color is **79.6158, 86.5368, 107.1148**, and **21.6915, 23.0740, 37.9608** is the 20% darker color. If you saturate the color by 10%, you get **39.0760, 41.2923, 72.2412**, and if you desaturate by 10%, it is **53.3997, 56.5621, 74.4336**.

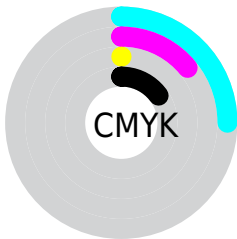
Distribution



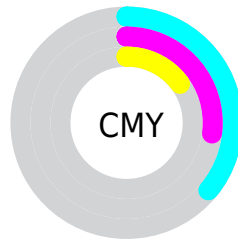
- Red (64%)
- Green (73%)
- Blue (85%)



- Red (64%)
- Yellow (71%)
- Blue (85%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (36%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7351, 48.4951, 73.2797 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 45.7351, 48.4951, 73.2797 by changing the saturation by 10% instead.

■ 45.7351, 48.4951,
73.2797

■ 45.7351, 48.4951,
73.2797

360.4765,
380.7512, 491.0804

■ 32.2406, 34.2191,
53.7115

■ 83.0527, 87.9411,
125.5988

■ 21.7018, 23.0620,
37.9794

■ 107.6065,
113.8799, 159.1868

■ 13.7533, 14.6393,
25.6650

136.5774,
144.4752, 198.2851

■ 8.0298, 8.5666,
16.3497

170.3308,
180.1112, 243.3122

■ 4.1660, 4.4596,
9.6149

209.2321,
221.1724, 294.6868

■ 1.7965, 1.9338,
5.0421

253.6465,

■ 0.5155, 0.5686,

268.0432, 352.8273

2.2128

303.9395,
321.1081, 418.1523

■ 0.0000, 0.0000,
0.6818

■ 0.0000, 0.0000,
0.0000

■ 45.7351, 48.4951,
73.2797

■ 45.7351, 48.4951,
73.2797

■ 39.0760, 41.2923,
72.2412

■ 53.3997, 56.5621,
74.4336

■ 33.3727, 34.9158,
71.3110

■ 62.1076, 65.5176,
75.7033

■ 28.5778, 29.3333,
70.4862

■ 71.8998, 75.3920,
77.0931

■ 24.6378, 24.5077,
69.7624

■ 82.8139, 86.2127,
78.6065

■ 21.4927, 20.3982,
69.1350

■ 87.9488, 94.4295,
79.9218

■ 19.0739, 16.9589,
68.5986

■ 89.6551, 97.8420,
80.4906

■ 17.2986, 14.1363,
68.1474

■ 16.5570, 12.8659,
67.9412

Harmonies

Analogous

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



42.6780, 48.4951, 69.6538



45.7351, 48.4951, 73.2797



49.0350, 48.4951, 70.8976

Triad

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



45.7351, 48.4951, 73.2797



52.0407, 48.4951, 44.9732



40.9477, 48.4951, 43.3921

Complementary

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



45.7351, 48.4951, 73.2797



55.1301, 56.6165, 43.1458

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.



43.2713, 48.4951, 38.0830



45.7351, 48.4951, 73.2797



49.6858, 48.4951, 38.9158

Square

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



45.7351, 48.4951, 73.2797



52.7770, 48.4951, 53.8377



46.4530, 48.4951, 36.5474



39.9988, 48.4951, 51.7815

Rectangle

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



45.7351, 48.4951, 73.2797



50.9121, 48.4951, 66.3628



46.4530, 48.4951, 36.5474



41.5883, 48.4951, 41.2287

Sweetspot

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



45.7366, 48.4971, 73.2808



85.6030, 90.4060, 107.5461



50.1875, 61.9584, 60.7081



18.1559, 19.1801, 22.9952



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.



45.7366, 48.4971, 73.2808



59.8405, 63.3752, 103.6864



41.9950, 39.8953, 71.8177



12.7924, 13.5245, 16.5884



10.0211, 7.9116, 40.7373



0.7335, 0.6811, 2.6672

Inverse Universe

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



51.1598, 45.0456, 53.0140



69.0286, 58.0076, 69.2425



59.6217, 67.1805, 44.9481



13.2851, 13.1431, 14.7624



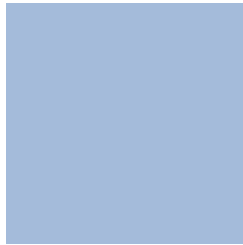
18.5535, 9.4224, 7.2947



1.2445, 0.6274, 0.6966

Previews

White Background



This preview shows how the XYZ color 45.7351, 48.4951, 73.2797 looks on a white background.

Color Contrast Check

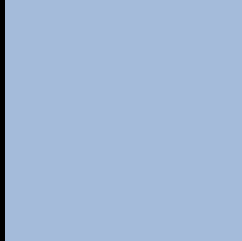
Large Text (above 18pt) WCAG AA × Fail

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 45.7351, 48.4951, 73.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

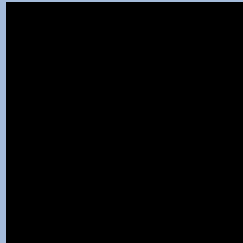
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

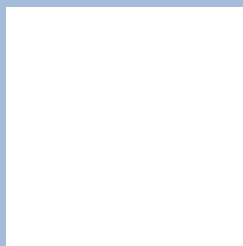
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7351, 48.4951, 73.2797

Background



This preview shows how black text looks on a background with the XYZ color 45.7351, 48.4951, 73.2797.



This preview shows how white text looks on a background with the XYZ color 45.7351, 48.4951,

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

45.7351, 48.4951, 73.2797

Protanopia

47.7896, 48.3570, 71.1050

Deuteranopia

49.3571, 48.1961, 73.7192



Tritanopia

43.7946, 48.3319, 64.1475

Trichromacy



Original Color

45.7351, 48.4951, 73.2797

Protanomaly

46.9907, 48.2375, 71.7998

Deuteranomaly

48.0798, 48.4464, 73.8349

Tritanomaly

44.3921, 48.2513, 67.2953

Monochromacy



Original Color

45.7351, 48.4951, 73.2797

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4442, 48.0306, 59.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7351, 48.4951, 73.2797 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, 187, 218)` looks like.

```
.text, #text, p{  
    color:rgb(164, 187, 218)  
}
```

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, 187, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 187, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.7351, 48.4951, 73.2797 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, 187, 218) }
```


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

```
.border{ border-color:rgb(164, 187, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 187, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 187, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 187, 218);  
box-shadow:4px 4px 4px 4px rgb(164, 187,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7351, 48.4951, 73.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 187, 218) }
```

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

```
.background{ background-color: rgb(164,  
187, 218) }
```

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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