

Converting Colors

XYZ(48.6719, 45.2221, 87.2780)

Have a look what the booklet for
XYZ(48.6719, 45.2221, 87.2780)
contains.

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Color

**XYZ(48.5452, 45.1431,
87.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	B2ACEE
RGB	178, 172, 238
RGB Percent	70%, 67%, 93%
CMY	0.3020, 0.3255, 0.0667
CMYK	0.25, 0.28, 0.00, 0.07
HSL	245°, 66%, 80%
HSV	245°, 28%, 93%
XYZ	48.5452, 45.1431, 87.0438
YIQ	181.3180, -17.6100, 21.7980

Conversions

Conversions Part 2

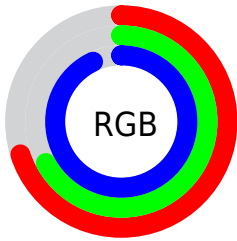
Format	Color
R_{YB}	178, 172, 238
Decimal	11709678
CIE _{Lab}	72.99, 16.11, -32.19
CIE _{LCh}	73, 36.002, 296.588
Yxy	45.1431, 0.2686, 0.2498
Android (android.graphics.Color)	4289899758 (0xFFB2ACEE)
YUV	181.3180, 27.9442, -2.9099
Hunter-Lab	67.1886, 11.3900, -29.7790

Details

The XYZ color **48.5452, 45.1431, 87.0438** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.3010, 81.2845, 50.9632**, and the grayscale version is **43.9546, 46.2436, 50.3593**.

A 20% lighter version of the original color is **79.7800, 79.8203, 105.8097**, and **23.4721, 21.0954, 47.0907** is the 20% darker color. If you saturate the color by 10%, you get **39.8359, 34.5214, 85.4534**, and if you desaturate by 10%, it is **58.8517, 57.7943, 88.9433**.

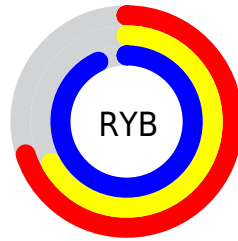
Distribution



Red (70%)

Green (67%)

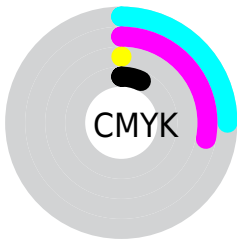
Blue (93%)



Red (70%)

Yellow (67%)

Blue (93%)

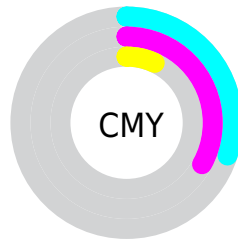


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (30%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5452, 45.1431, 87.0438 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 48.5452, 45.1431, 87.0438 by changing the saturation by 10% instead.

■ 48.5452, 45.1431,
87.0438

■ 48.5452, 45.1431,
87.0438

371.4958,
367.3528, 538.6867

■ 34.4719, 31.5702,
64.9716

■ 87.2204, 82.9351,
145.1246

■ 23.4210, 21.0334,
46.9869

112.5530,
107.9230, 181.9703

■ 15.0270, 13.1484,
32.6710

142.3694,
137.4846, 224.5776

■ 8.9248, 7.5308,
21.6055

177.0349,
172.0043, 273.3650

■ 4.7489, 3.7962,
13.3718

216.9150,
211.8666, 328.7511

■ 2.1339, 1.5602,
7.5513

262.3749,

■ 0.7076, 0.3306,

257.4559, 391.1544

3.7256

313.7801,
309.1565, 460.9934

■ 0.0000, 0.0000,
1.4760

■ 0.0000, 0.0000,
0.2000

■ 48.5452, 45.1431,
87.0438

■ 48.5452, 45.1431,
87.0438

■ 39.8359, 34.5214,
85.4534

■ 58.8517, 57.7943,
88.9433

■ 32.6392, 25.8182,
84.1528

■ 70.8251, 72.5674,
91.1637

■ 26.8700, 18.9205,
83.1255

■ 84.5366, 89.5557,
93.7201

■ 22.4323, 13.7008,
82.3519

■ 92.4328, 98.9531,
95.1178

■ 19.2187, 10.0150,
81.8098

■ 17.1046, 7.6946,
81.4734

■ 15.9315, 6.5173,
81.3080

■ 15.7556, 6.3395,
81.2829

Harmonies

Analogous

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



42.1921, 45.1431, 92.4172



48.5452, 45.1431, 87.0438



53.8034, 45.1431, 70.7753

Triad

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



48.5452, 45.1431, 87.0438



49.9101, 45.1431, 25.5575



31.9411, 45.1431, 47.1225

Complementary

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



48.5452, 45.1431, 87.0438



71.3010, 81.2845, 50.9632

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.



33.5913, 45.1431, 32.4551



48.5452, 45.1431, 87.0438



43.6302, 45.1431, 22.0712

Square

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



48.5452, 45.1431, 87.0438



54.6439, 45.1431, 35.2356



37.7235, 45.1431, 24.2489



32.9842, 45.1431, 66.3239

Rectangle

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



48.5452, 45.1431, 87.0438



55.7656, 45.1431, 57.6240



37.7235, 45.1431, 24.2489



32.1949, 45.1431, 41.5560

Sweetspot

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



48.5467, 45.1449, 87.0448



82.3870, 84.3186, 106.5406



61.4448, 72.9400, 91.7300



17.1561, 17.4567, 22.7152



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.



48.5467, 45.1449, 87.0448



51.0593, 45.8133, 100.7595



56.9076, 49.4551, 87.4361



15.0305, 15.2974, 19.8821



8.8355, 3.5603, 45.3494



0.7801, 0.3194, 3.7748

Inverse Universe

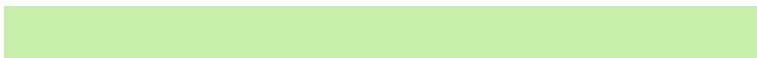
The Inverse Universe completely reimagines the original color for something new.



64.5793, 53.5101, 83.2704



72.6174, 57.0663, 95.4677



61.7084, 76.3393, 50.5142



16.3887, 16.0052, 19.6030



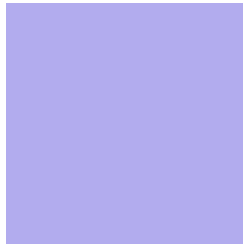
26.6384, 12.9278, 37.6078



2.2340, 1.0827, 3.2233

Previews

White Background



This preview shows how the XYZ color 48.5452, 45.1431, 87.0438 looks on a white background.

Color Contrast Check

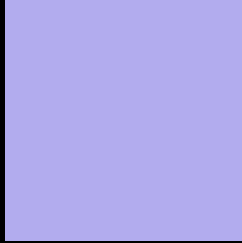
Large Text (above 18pt) WCAG AA × Fail

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 48.5452, 45.1431, 87.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

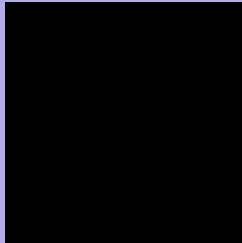
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5452, 45.1431, 87.0438

Background



This preview shows how black text looks on a background with the XYZ color 48.5452, 45.1431, 87.0438.



This preview shows how white text looks on a background with the XYZ color 48.5452, 45.1431,

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

48.5452, 45.1431, 87.0438

Protanopia

46.4471, 45.4322, 90.3257

Deuteranopia

46.3284, 45.1644, 86.3966



Tritanopia

42.7491, 45.1287, 58.0873

Trichromacy



Original Color

48.5452, 45.1431, 87.0438

Protanomaly

47.1435, 45.2263, 89.4639

Deuteranomaly

47.1936, 45.3204, 86.3811

Tritanomaly

44.7136, 45.0317, 67.9633

Monochromacy



Original Color

48.5452, 45.1431, 87.0438

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.4035, 45.8084, 62.3260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5452, 45.1431, 87.0438 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(178, 172, 238)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 238)  
}
```

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(178, 172, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 238) }
```

Border

The CSS property to change the border of an element to XYZ 48.5452, 45.1431, 87.0438 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(178, 172, 238) }
```


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

```
.border{ border-color:rgb(178, 172, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 172, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 238);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5452, 45.1431, 87.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 238) }
```

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

```
.background{ background-color: rgb(178,  
172, 238) }
```

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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