

Converting Colors

XYZ(48.5194, 35.3238, 61.9124)

Have a look what the booklet for
XYZ(48.5194, 35.3238, 61.9124)
contains.

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Color

**XYZ(48.6885, 35.4804,
62.0399)**

Conversions

Conversions Part 1

Format	Color
Hex	DD81CD
RGB	221, 129, 205
RGB Percent	87%, 51%, 80%
CMY	0.1333, 0.4941, 0.1961
CMYK	0.00, 0.42, 0.07, 0.13
HSL	310°, 57%, 69%
HSV	310°, 42%, 87%
XYZ	48.6885, 35.4804, 62.0399
YIQ	165.1720, 30.4360, 43.1400

Conversions

Conversions Part 2

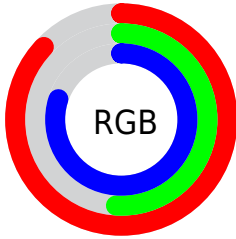
Format	Color
R _Y B	221, 129, 205
Decimal	14516685
CIE Lab	66.12, 46.10, -24.22
CIE LCh	66, 52.072, 332.284
Yxy	35.4804, 0.3330, 0.2427
Android (android.graphics.Color)	4292706765 (0xFFDD81CD)
YUV	165.1720, 19.6352, 48.9612
Hunter-Lab	59.5654, 41.6656, -20.0572

Details

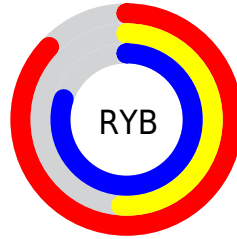
The XYZ color **48.6885, 35.4804, 62.0399** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.0221, 58.4256, 35.9581**, and the grayscale version is **35.7462, 37.6078, 40.9549**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **23.4802, 15.2958, 30.9930** is the 20% darker color. If you saturate the color by 10%, you get **45.6281, 30.0924, 58.7588**, and if you desaturate by 10%, it is **52.3921, 42.1352, 65.5923**.

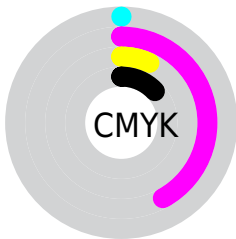
Distribution



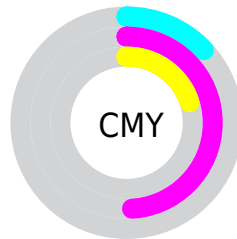
- Red (87%)
- Green (51%)
- Blue (80%)



- Red (87%)
- Yellow (51%)
- Blue (80%)



- Cyan (0%)
- Magenta (42%)
- Yellow (7%)
- Black (13%)




- Cyan (13%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6885, 35.4804, 62.0399 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 48.6885, 35.4804, 62.0399 by changing the saturation by 10% instead.


 48.6885, 35.4804,
62.0399


 48.6885, 35.4804,
62.0399

372.0521,
326.6837, 450.0883


 34.5860, 24.0332,
44.6289


 87.4321, 68.2293,
109.3554

 23.5091, 15.3582,
30.8244


 112.8040, 90.2998,
140.0969

 15.0927, 9.0712,
20.2079


 142.6629,
116.6801, 176.1191

 8.9712, 4.7876,
12.3607

177.3743,
147.7548, 217.8405

 4.7793, 2.1232,
6.8643

217.3036,
183.9080, 265.6795

 2.1518, 0.6776,
3.3002

262.8161,

 0.7171, 0.0000,

225.5243, 320.0548

1.2499

314.2771,
272.9881, 381.3849

■ 0.0000, 0.0000,
0.0202

■ 0.0000, 0.0000,
0.0000

■ 48.6885, 35.4804,
62.0399

■ 48.6885, 35.4804,
62.0399

■ 45.6281, 30.0924,
58.7588

■ 52.3921, 42.1352,
65.5923

■ 43.1663, 25.8843,
55.7328


■ 56.7728, 50.1266,
69.4267


■ 41.2585, 22.7660,
52.9469


■ 61.8664, 59.5250,
73.5558


■ 39.8519, 20.6324,
50.3831


■ 67.7048, 70.3946,
77.9905


 38.8835, 19.3574,
48.0200


 74.3183, 82.7956,
82.7414

 38.3210, 18.7731,
46.1659

 79.5915, 92.4973,
87.1037

 80.1314, 92.7133,
89.9468

 80.6833, 92.9340,
92.8528

 81.2471, 93.1595,
95.8220

Harmonies

Analogous

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



42.3131, 35.4804, 87.0311



48.6885, 35.4804, 62.0399



50.8870, 35.4804, 36.9584

Triad

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



48.6885, 35.4804, 62.0399



33.1334, 35.4804, 9.7763



22.6409, 35.4804, 66.1625

Complementary

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



48.6885, 35.4804, 62.0399



40.0221, 58.4256, 35.9581

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.



20.9309, 35.4804, 40.3557



48.6885, 35.4804, 62.0399



26.3822, 35.4804, 12.6405

Square

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



48.6885, 35.4804, 62.0399



41.1293, 35.4804, 11.8510



22.1892, 35.4804, 22.0059



27.2640, 35.4804, 89.9828

Rectangle

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



48.6885, 35.4804, 62.0399



49.4540, 35.4804, 24.6188



22.1892, 35.4804, 22.0059



21.7413, 35.4804, 57.1534

Sweetspot

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



48.6896, 35.4820, 62.0406



85.2081, 81.6685, 101.4506



32.4629, 26.8821, 71.8852



18.0285, 17.0923, 21.5491



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.



48.6896, 35.4820, 62.0406



63.5770, 42.4414, 81.8007



43.9864, 33.6007, 37.2740



13.5121, 13.2339, 15.9580



22.2984, 10.9204, 27.0152



1.4707, 0.7179, 1.8878

Inverse Universe

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



48.6896, 35.4820, 62.0406



63.5770, 42.4414, 81.8007



44.2418, 60.1135, 58.1791



13.5121, 13.2339, 15.9580



22.2984, 10.9204, 27.0152



1.4707, 0.7179, 1.8878

Previews

White Background



This preview shows how the XYZ color 48.6885, 35.4804, 62.0399 looks on a white background.

Color Contrast Check

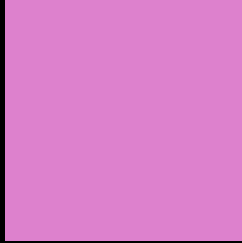
Large Text (above 18pt) WCAG AA × Fail

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 48.6885, 35.4804, 62.0399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

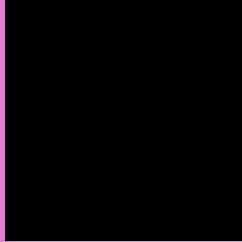
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6885, 35.4804, 62.0399

Background



This preview shows how black text looks on a background with the XYZ color 48.6885, 35.4804, 62.0399.



This preview shows how white text looks on a background with the XYZ color 48.6885, 35.4804,

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

48.6885, 35.4804, 62.0399

Protanopia

37.0785, 35.9178, 77.6516

Deuteranopia

36.5568, 35.7919, 59.6254



Tritanopia

42.9883, 35.4376, 33.8526

Trichromacy



Original Color

48.6885, 35.4804, 62.0399

Protanomaly

39.7383, 34.7293, 71.6268

Deuteranomaly

39.9168, 34.8350, 60.4971

Tritanomaly

44.7701, 35.3003, 42.9821

Monochromacy



Original Color

48.6885, 35.4804, 62.0399

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.4740, 36.0660, 48.0610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6885, 35.4804, 62.0399 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(221, 129, 205)` looks like.

```
.text, #text, p{  
    color:rgb(221, 129, 205)  
}
```

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(221, 129, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 129, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.6885, 35.4804, 62.0399 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(221, 129, 205) }
```


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

```
.border{ border-color:rgb(221, 129, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 129, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 129, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 129, 205); box-shadow:4px 4px 4px 4px rgb(221, 129, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6885, 35.4804, 62.0399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 129, 205) }
```

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

```
.background{ background-color: rgb(221,  
129, 205) }
```

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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