

Converting Colors

XYZ(41.8628, 30.4858, 50.8446)

Have a look what the booklet for
XYZ(41.8628, 30.4858, 50.8446)
contains.

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Color

**XYZ(41.9806, 30.5761,
50.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	D178BB
RGB	209, 120, 187
RGB Percent	82%, 47%, 73%
CMY	0.1804, 0.5294, 0.2667
CMYK	0.00, 0.43, 0.11, 0.18
HSL	315°, 49%, 65%
HSV	315°, 43%, 82%
XYZ	41.9806, 30.5761, 50.7029
YIQ	154.2490, 31.5370, 39.7050

Conversions

Conversions Part 2

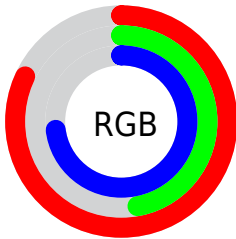
Format	Color
R_{YB}	209, 120, 187
Decimal	13727931
CIE _{Lab}	62.15, 43.93, -20.28
CIE _{LCh}	62, 48.389, 335.220
Yxy	30.5761, 0.3406, 0.2481
Android (android.graphics.Color)	4291918011 (0xFFD178BB)
YUV	154.2490, 16.1462, 48.0166
Hunter-Lab	55.2957, 38.7502, -15.6585

Details

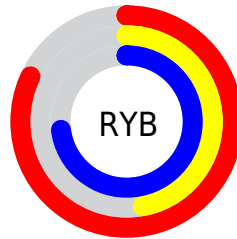
The XYZ color **41.9806, 30.5761, 50.7029** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.4300, 51.5479, 33.6757**, and the grayscale version is **30.7470, 32.3482, 35.2272**.

A 20% lighter version of the original color is **72.5537, 58.0032, 92.1658**, and **19.5071, 12.6278, 23.9635** is the 20% darker color. If you saturate the color by 10%, you get **39.1929, 25.8696, 47.0938**, and if you desaturate by 10%, it is **45.3386, 36.3905, 54.6009**.

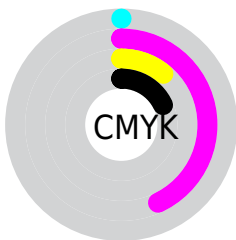
Distribution



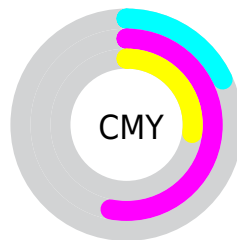
- Red (82%)
- Green (47%)
- Blue (73%)



- Red (82%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (43%)
- Yellow (11%)
- Black (18%)





- Cyan (18%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9806, 30.5761, 50.7029 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 41.9806, 30.5761, 50.7029 by changing the saturation by 10% instead.


 41.9806, 30.5761,
50.7029


 41.9806, 30.5761,
50.7029


345.3955,
304.5806, 406.2219


 29.2771, 20.2763,
35.5971


 77.4356, 60.5721,
92.6225

 19.4359, 12.5960,
23.8360


 100.9179, 81.0370,
120.2733

 12.0915, 7.1510,
15.0009


 128.7238,
105.6591, 152.9430

 6.8787, 3.5567,
8.6734

161.2187,
134.8227, 191.0500

 3.4320, 1.4288,
4.4349

198.7680,
168.9123, 235.0128

 1.3861, 0.2378,
1.8668

241.7370,

 0.2463, 0.0000,

208.3122, 285.2501

0.4715

290.4910,
253.4069, 342.1803

■ 0.0000, 0.0000,
0.0000

■ 41.9806, 30.5761,
50.7029

■ 41.9806, 30.5761,
50.7029

■ 39.1929, 25.8696,
47.0938

■ 45.3386, 36.3905,
54.6009

■ 36.9364, 22.1945,
43.7587

■ 49.2972, 43.3741,
58.7980

■ 35.1715, 19.4714,
40.6835


■ 53.8876, 51.5890,
63.3058


■ 33.8516, 17.6073,
37.8518


■ 59.1382, 61.0916,
68.1349

■ 32.9206, 16.4907,
35.2438


■ 65.0756, 71.9346,
73.2951

 32.4092, 16.0012,
33.4288

 71.7249, 84.1680,
78.7956

 75.3965, 90.4122,
83.4075

 76.1047, 90.6954,
87.1366

 76.8343, 90.9873,
90.9786

Harmonies

Analogous

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



36.8997, 30.5761, 72.0336



41.9806, 30.5761, 50.7029



43.4037, 30.5761, 30.1343

Triad

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



41.9806, 30.5761, 50.7029



27.9370, 30.5761, 8.8239



19.9836, 30.5761, 58.5590

Complementary

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



41.9806, 30.5761, 50.7029



35.4300, 51.5479, 33.6757

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.



18.2883, 30.5761, 36.6633



41.9806, 30.5761, 50.7029



22.4205, 30.5761, 11.7455

Square

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



41.9806, 30.5761, 50.7029



34.6336, 30.5761, 10.1903



19.1090, 30.5761, 20.4075



24.1219, 30.5761, 77.6319

Rectangle

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



41.9806, 30.5761, 50.7029



41.9287, 30.5761, 20.2280



19.1090, 30.5761, 20.4075



19.1397, 30.5761, 51.0340

Sweetspot

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



41.9816, 30.5775, 50.7035



84.0799, 80.1263, 98.8726



29.1714, 23.6803, 63.3554



17.6364, 16.5033, 20.8171



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.



41.9816, 30.5775, 50.7035



61.8665, 41.2343, 74.4051



38.0258, 28.9952, 29.8729



12.1807, 11.9570, 14.2273



20.0233, 9.8822, 20.8269



1.1501, 0.5647, 1.3250

Inverse Universe

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



41.9816, 30.5775, 50.7035



61.8665, 41.2343, 74.4051



39.3325, 53.1089, 54.2258



12.1807, 11.9570, 14.2273



20.0233, 9.8822, 20.8269



1.1501, 0.5647, 1.3250

Previews

White Background



This preview shows how the XYZ color 41.9806, 30.5761, 50.7029 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 41.9806, 30.5761, 50.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

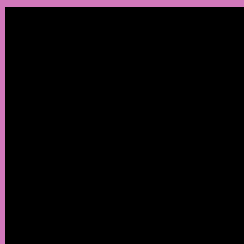
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9806, 30.5761, 50.7029

Background



This preview shows how black text looks on a background with the XYZ color 41.9806, 30.5761, 50.7029.



This preview shows how white text looks on a background with the XYZ color 41.9806, 30.5761,

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

41.9806, 30.5761, 50.7029

Protanopia

31.8055, 31.0355, 63.9886

Deuteranopia

31.4549, 30.7289, 48.5294



Tritanopia

37.6181, 30.6961, 28.7532

Trichromacy



Original Color

41.9806, 30.5761, 50.7029

Protanomaly

34.2117, 29.9242, 58.6164

Deuteranomaly

34.3920, 30.0099, 49.3272

Tritanomaly

39.0003, 30.4778, 35.7256

Monochromacy



Original Color

41.9806, 30.5761, 50.7029

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.0115, 31.0978, 40.2863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9806, 30.5761, 50.7029 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(209, 120, 187)` looks like.

```
.text, #text, p{  
    color:rgb(209, 120, 187)  
}
```

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(209, 120, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 120, 187) }
```

Border

The CSS property to change the border of an element to XYZ 41.9806, 30.5761, 50.7029 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(209, 120, 187) }
```


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

```
.border{ border-color:rgb(209, 120, 187) }
```

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

Here you see how a box with a 4 pixel rgb(209, 120, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 120, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 120, 187);  
box-shadow:4px 4px 4px 4px rgb(209, 120,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9806, 30.5761, 50.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 120, 187) }
```

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

```
.background{ background-color: rgb(209,  
120, 187) }
```

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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