

Converting Colors

XYZ(45.0519, 31.5869, 60.5852)

Have a look what the booklet for
XYZ(45.0519, 31.5869, 60.5852)
contains.

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Color

**XYZ(45.1091, 31.6126,
60.8511)**

Conversions

Conversions Part 1

Format	Color
Hex	D676CC
RGB	214, 118, 204
RGB Percent	84%, 46%, 80%
CMY	0.1608, 0.5372, 0.2000
CMYK	0.00, 0.45, 0.05, 0.16
HSL	306°, 54%, 65%
HSV	306°, 45%, 84%
XYZ	45.1091, 31.6126, 60.8511
YIQ	156.5080, 29.6100, 47.0980

Conversions

Conversions Part 2

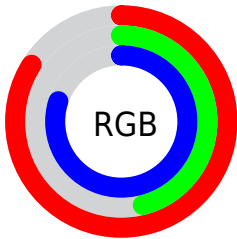
Format	Color
RYB	214, 118, 204
Decimal	14055116
CIELab	63.02, 49.40, -28.50
CIElCh	63, 57.032, 330.023
Yxy	31.6126, 0.3279, 0.2298
Android (android.graphics.Color)	4292245196 (0xFFD676CC)
YUV	156.5080, 23.4136, 50.4205
Hunter-Lab	56.2251, 44.8158, -24.8106

Details

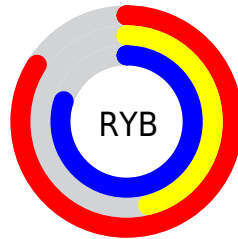
The XYZ color **45.1091, 31.6126, 60.8511** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.4154, 53.5044, 28.8848**, and the grayscale version is **31.7171, 33.3689, 36.3387**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **21.2999, 13.1507, 30.2699** is the 20% darker color. If you saturate the color by 10%, you get **42.6038, 27.0263, 58.7064**, and if you desaturate by 10%, it is **48.1919, 37.3465, 63.2078**.

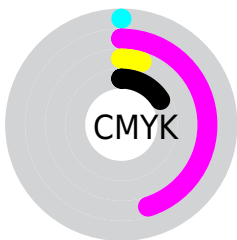
Distribution



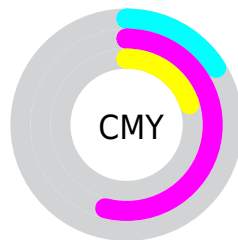
- Red (84%)
- Green (46%)
- Blue (80%)



- Red (84%)
- Yellow (46%)
- Blue (80%)



- Cyan (0%)
- Magenta (45%)
- Yellow (5%)
- Black (16%)





- Cyan (16%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1091, 31.6126, 60.8511 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 45.1091, 31.6126, 60.8511 by changing the saturation by 10% instead.


 45.1091, 31.6126,
60.8511

 45.1091, 31.6126,
60.8511

357.9915,
309.3507, 445.6193


 31.7450, 21.0658,
43.6752


 82.1202, 62.2033,
107.6187

 21.3214, 13.1721,
30.0800


 106.4978, 83.0159,
138.0476

 13.4729, 7.5472,
19.6467


 135.2774,
108.0193, 173.7312

 7.8343, 3.8066,
11.9570


168.8243,
137.5977, 215.0881

 4.0400, 1.5660,
6.5922

207.5038,
172.1357, 262.5368

 1.7248, 0.3345,
3.1339

251.6812,

 0.4717, 0.0000,

212.0176, 316.4959

1.1634

301.7220,
257.6278, 377.3838

■ 0.0000, 0.0000,
0.0000

■ 45.1091, 31.6126,
60.8511

■ 45.1091, 31.6126,
60.8511

■ 42.6038, 27.0263,
58.7064

■ 48.1919, 37.3465,
63.2078

■ 40.6338, 23.5050,
56.7586

■ 51.8846, 44.2948,
65.7865

■ 39.1559, 20.9621,
54.9936

■ 56.2209, 52.5240,
68.5987

■ 38.1192, 19.2952,
53.3943

■ 61.2310, 62.0947,
71.6547

■ 37.4610, 18.3795,
51.9397

■ 66.9434, 73.0637,
74.9640

■ 37.2140, 18.0892,
51.2295

■ 73.3848, 85.4844,
78.5355

■ 76.3582, 90.9628,
80.9704

■ 76.6548, 91.0815,
82.5324

■ 76.9554, 91.2017,
84.1152

Harmonies

Analogous

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



38.2491, 31.6126, 87.0506



45.1091, 31.6126, 60.8511



47.8085, 31.6126, 34.4033

Triad

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



45.1091, 31.6126, 60.8511



30.0407, 31.6126, 6.7644



18.7817, 31.6126, 60.8952

Complementary

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



45.1091, 31.6126, 60.8511



35.4154, 53.5044, 28.8848

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.



17.3397, 31.6126, 34.4382



45.1091, 31.6126, 60.8511



23.1099, 31.6126, 8.9204

Square

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



45.1091, 31.6126, 60.8511



38.2368, 31.6126, 8.9133



18.7772, 31.6126, 17.0252



23.1188, 31.6126, 87.0829

Rectangle

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



45.1091, 31.6126, 60.8511



46.5758, 31.6126, 21.6402



18.7772, 31.6126, 17.0252



17.9798, 31.6126, 51.4441

Sweetspot

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



45.1101, 31.6140, 60.8518



84.8203, 80.4225, 102.7717



27.4595, 22.3717, 66.4902



17.8208, 16.5770, 21.7882



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.



45.1101, 31.6140, 60.8518



63.4620, 40.3829, 87.3988



40.2460, 29.6684, 35.2373



12.8947, 12.6094, 15.3856



22.5159, 10.9427, 31.0846



1.3745, 0.6666, 1.9613

Inverse Universe

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



45.1101, 31.6140, 60.8518



63.4620, 40.3829, 87.3988



39.3160, 55.0646, 49.4249



12.8947, 12.6094, 15.3856



22.5159, 10.9427, 31.0846



1.3745, 0.6666, 1.9613

Previews

White Background



This preview shows how the XYZ color 45.1091, 31.6126, 60.8511 looks on a white background.

Color Contrast Check

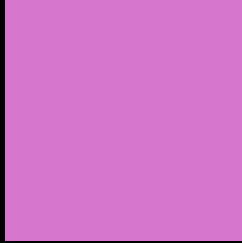
Large Text (above 18pt) WCAG AA × Fail

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 45.1091, 31.6126, 60.8511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

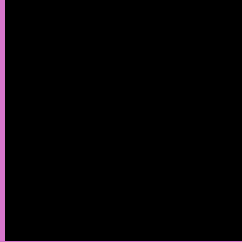
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1091, 31.6126, 60.8511

Background



This preview shows how black text looks on a background with the XYZ color 45.1091, 31.6126, 60.8511.



This preview shows how white text looks on a background with the XYZ color 45.1091, 31.6126,

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

45.1091, 31.6126, 60.8511

Protanopia

33.6534, 31.9055, 78.5134

Deuteranopia

32.4271, 31.7295, 57.8414



Tritanopia

38.5873, 31.5773, 29.6524

Trichromacy



Original Color

45.1091, 31.6126, 60.8511



Protanomaly

36.1073, 30.6134, 71.7161



Deuteranomaly

35.8760, 30.7821, 58.6943



Tritanomaly

40.6754, 31.4507, 39.5241

Monochromacy



Original Color

45.1091, 31.6126, 60.8511



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

35.8225, 32.1659, 44.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1091, 31.6126, 60.8511 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(214, 118, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 118, 204)  
}
```

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(214, 118, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 118, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.1091, 31.6126, 60.8511 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(214, 118, 204) }
```


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

```
.border{ border-color:rgb(214, 118, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 118, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 118, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 118, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 118,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1091, 31.6126, 60.8511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 118, 204) }
```

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

```
.background{ background-color: rgb(214,  
118, 204) }
```

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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